56820-1

H106.808P (Rev. 5/90)

PENNSYLVANIA VITAL STATISTICS ANNUAL REPORT, 1988

DEPARTMENT OF HEALTH
N. MARK RICHARDS, M.D.
SECRETARY

STATE HEALTH DATA CENTER
HARRISBURG, PA

MAY, 1990

The Mission of the Pennsylvania Department of Health is to develop an effective public health system which promotes the optimal health of Pennsylvania's citizens and reduces their need for medical care by:

- Assisting citizens to adopt healthful behaviors, eliminating preventable illness,
- Reducing the severity of illness and disability,
- Facilitating access to high quality health care in the appropriate setting, and
- Identifying and eliminating health hazards.

The Pennsylvania Department of Health is an equal opportunity provider of grants, contracts, services, and employment.

PENNSYLVANIA VITAL STATISTICS

PREFACE

This publication of 1988 Vital Statistics for Pennsylvania was prepared by the Division of Health Statistics and Research of the State Health Data Center, Pennsylvania Department of Health.

This 1988 report incorporates several changes from the 1987 edition. Most of the changes made to this 1988 report were developed in accordance with recommendations made by staff and others who commented on the content of previous reports. We thank our users for any compliments and suggestions and encourage their contributions.

Among the changes made is the inclusion of a new section on induced abortions. We added this section in response to the increasing demand for reported pregnancy statistics for Pennsylvania. Induced abortions are one of the three components used to compile reported pregnancy data, the other two being live births and fetal deaths (non-induced). Another addition is a data table presenting infant, neonatal, and postneonatal deaths by number and rate by race for 1980 through 1988, along with line graphs depicting these historical data. Other additions include pie charts depicting the percentage of live births by race of child and trimester of mother's first prenatal visit. One more important change that may not be so noticeable is the use of "Unintentional Injuries" in place of "Accidents" among the titles for major selected causes of death data. "Unintentional Injuries" is a more descriptive title for the various types of deaths associated with this major cause. Several other tables have been slightly modified. We hope these changes will provide a new, better perspective on the vital events that Pennsylvanians experience.

The State Health Data Center welcomes comments and suggestions on the content and format of this report. The Health Data Center staff is available to answer questions regarding the report, including utilization and limitations of the data. Additional statistics not contained in this report are available upon request. See Appendix B for a detailed list.

Please address all comments, questions, requests for data, etc. to:

STATE HEALTH DATA CENTER
PENNSYLVANIA DEPARTMENT OF HEALTH
P.O. BOX 90
HARRISBURG, PA 17108

Or call: (717) 783-2548

TABLE OF CONTENTS

POPULATION STATISTICS

PAGE

Highlights 4
List of Data Tables and Illustrations 6
State Tables and Illustrations 8
County Table and Map 12
Municipality Table 14

NATALITY STATISTICS

Highlights 17
List of Data Tables and Illustrations 23
State Tables and Illustrations 26
County Tables, Maps, and Illustrations 40
Municipality Tables and Illustration 62

MORTALITY STATISTICS

Highlights 70
List of Data Tables and Illustrations 79
State Tables and Illustrations 84
County Tables and Maps 138
Municipality Tables and Illustrations 168

INDUCED ABORTION STATISTICS

Highlights 186
List of Data Tables 187
State Tables 188
County Table 190

MARRIAGE AND DIVORCE STATISTICS

Highlights 192
List of Data Tables and Illustrations 194
Marriage Tables and Illustrations 195
Divorce Tables and Illustration 201
County Marriage and Divorce Table 203

TECHNICAL NOTES

A. Sources of Data 206
B. Data Quality 207
C. Geography 208
D. Definitions of Terms 208
E. Rates 210
F. Selected Causes of Death 211
G. Multiple Causes of Death 212

Appendix A - Vital Records Registration in Pennsylvania 213
Appendix B - Additional Statistics Available 214
Appendix C - Errata: Revised Age-Adjusted Rates 216
Certificates of Live Birth, Death, and Fetal Death 220
Pennsylvania County Outline Map 223

1988 POPULATION STATISTICS

Highlights

THE STATE:

Total Population The 1988 estimates indicate that Pennsylvania's resident population was 12,002,236 -- an increase of 138,341 persons or 1.2 percent from the 1980 U.S. Bureau of the Census enumerated figure of 11,863,895. Pennsylvania's population has increased by approximately 1.5 million from the 1950 census enumerated figure of 10,498,012. However, over half of that increase occurred between 1950 and 1960. From 1960 to 1970, the state's population increased by just under 500,000, but, from 1970 to 1980, there was only an increase of approximately 70,000 persons. Pennsylvania's total population has remained relatively stable since 1970. However, since 1950, the percent of the state population under 15 years of age has decreased from 25.0 percent to 19.9 percent while the percentage of the population 65 years of age and older has increased from 8.4 percent to 14.5 percent. Also, in 1950, the median age of the state's residents was 31.3. By 1980, it had increased only slightly to 32.1; however, by 1988, the median age had already increased to 34.0.

Population by Race Races other than white made up 10.4 percent of the total population in 1988. Children under 15 years of age accounted for 19.2 percent of the 1988 white population in the state compared to 25.2 percent for all other races. Also, 9.6 percent of the non-white population was 65 years of age or older in 1988. Among whites, 15.1 percent were 65 or older. These figures reflect the fact that the median age among whites in 1988 was 34.7 compared to 28.8 among those of all other races.

Population by Sex Both the total female and male estimated populations remained stable between 1980 and 1988, with only slight increases in the number of males (1.2 percent) and females (1.1 percent). The median ages among males and females in 1988 were 32.4 and 35.7, respectively. Population declines were concentrated in the age groups 5-24 (12.2 percent) and 50-64 (13.4 percent). The largest population increases between 1980 and 1988 occurred within the age groups of 75 and over (30.8 percent) and 30-44 (25.0 percent).

Age/Sex Profile The profile of Pennsylvania's estimated 1988 population by age and sex (Figure A-2) visibly demonstrates the effects of several major factors -- the low birth rates that have prevailed for the last 15 years, the baby boom which followed World War II and lasted into the mid-1960's, the low birth rates of the 1930's, and the large mortality differential between males and females in the later years of life.

COUNTIES:

Percent Change 1980-88 Of the 67 counties, 33 were estimated to experience population gains and 34 had losses from 1980 to 1988, as compared to 57 and 10, respectively, between 1970 and 1980. Over 52 percent of the population losses occurred in two counties -- Allegheny and Philadelphia. However, the percentage decrease in population was 2.4 for Philadelphia County, compared to 6.6 for Allegheny County. Four other counties (Beaver, Cambria, Luzerne and Westmoreland) accounted for another 20.2 percent of the losses. Thirteen counties with a growth rate of 8.0 percent or more were Pike (46.7), Monroe (34.7), Chester (15.7), Wayne (14.9), Lancaster (14.3), Perry (14.2), Bucks (13.4), Fulton (12.1), Cumberland (9.4), Adams (8.8), Snyder (8.4), Northampton (8.1) and Susquehanna (8.0).

As the state map (Figure A-3) of percent population change by county demonstrates, the northeastern, southeastern and southcentral regions of the state have accounted for almost all of the population gains between 1980 and 1988. Only two counties in the western part of the state had percentage increases in population between 1980 and 1988 -- Butler (3.7 percent) and Armstrong (0.2 percent).

CITIES AND BOROUGHS:

Percent Change 1980-88

Of the 27 municipalities listed in this report, only six showed a percentage increase in population between 1980 and 1988 and the gains were modest -- Lancaster (7.8 percent), Easton (4.8 percent), Lebanon (4.5 percent), Bethlehem (2.9 percent), York (1.7 percent) and Allentown (1.4 percent). Estimated population losses of 10.0 percent and above occurred in five municipalities -- Sharon (18.4 percent), McKeesport (15.2 percent), Johnstown (14.3 percent), Pittsburgh (11.5 percent) and New Castle (11.2 percent).

NOTES: Since Philadelphia is a city/county, figures for that municipality appear in both the county and municipality tables for the user's convenience. See the **Technical Notes** section in the back of this report for complete qualifications regarding the population figures shown in this section.

LIST OF DATA TABLES AND ILLUSTRATIONS

POPULATION DATA TABLES **PAGE**

Table A-1 Population in Pennsylvania, 1950-1988 8
Table A-2 Population by Age and Race: Pennsylvania, 1988 9
Table A-3 Population by Age and Sex: Pennsylvania, 1980 and 1988 10
Table A-4 Population by County: Pennsylvania, 1980 and 1988 12
Table A-5 Population for Selected Municipalities: Pennsylvania, 1980 and 1988 14

POPULATION DATA ILLUSTRATIONS **PAGE**

Figure A-1 Population, Percent by Age Group, Pennsylvania, 1950, 1960, 1970, 1980, and 1988 8
Figure A-2 Population by Age and Sex, Pennsylvania, 1988 11
Figure A-3 State Map: Percent Population Change by County, Pennsylvania, 1980 to 1988 13

TABLE A-1
POPULATION* IN PENNSYLVANIA, 1950-1988

YEAR	POPULATION	YEAR	POPULATION	YEAR	POPULATION
1988	12,002,236	1975	11,828,200	1962	11,376,000
1987	11,936,396	1974	11,835,400	1961	11,468,000
1986	11,889,165	1973	11,902,000	1960	11,319,366
1985	11,863,672	1972	11,926,000	1959	11,323,000
1984	11,900,701	1971	11,879,000	1958	11,101,000
1983	11,894,700	1970	11,793,909	1957	11,166,000
1982	11,885,330	1969	11,803,000	1956	11,132,000
1981	11,870,960	1968	11,755,400	1955	11,132,000
1980	11,863,895	1967	11,646,000	1954	10,895,800
1979	11,730,500	1966	11,637,900	1953	10,829,100
1978	11,749,900	1965	11,535,200	1952	10,733,700
1977	11,785,200	1964	11,459,000	1951	10,594,900
1976	11,862,000	1963	11,424,000	1950	10,498,012

*1950, 1960, 1970 AND 1980 POPULATIONS AS ENUMERATED BY THE U.S. BUREAU OF THE CENSUS. 1981 THROUGH 1988 ESTIMATED POPULATIONS AS PREPARED BY THE STATE DATA CENTER OF THE PENNSYLVANIA STATE UNIVERSITY AT HARRISBURG. ESTIMATED POPULATIONS FOR ALL OTHER YEARS AS PREPARED BY THE PENNSYLVANIA OFFICE OF STATE PLANNING AND DEVELOPMENT.

FIGURE A-1
POPULATION, PERCENT BY AGE GROUP
PENNSYLVANIA, 1950, 1960, 1970, 1980, AND 1988

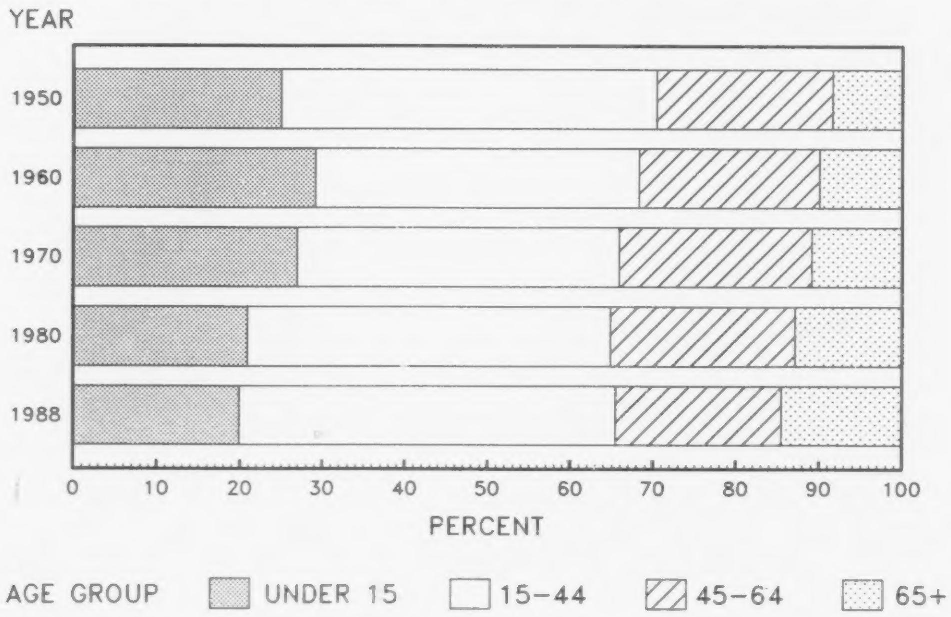


TABLE A-2
POPULATION BY AGE AND RACE: PENNSYLVANIA, 1988

AGE GROUP (IN YEARS)	ALL RACES	WHITE	RACES OTHER THAN WHITE
ALL AGES	12,002,236	10,754,199	1,248,037
UNDER 1 YEAR	165,560	138,559	27,001
1-4	649,847	558,410	91,437
5-9	788,901	688,496	100,405
10-14	779,116	682,838	96,278
15-19	892,771	787,502	105,269
20-24	943,165	828,813	114,352
25-29	981,829	865,066	116,763
30-34	989,541	884,630	104,911
35-39	890,191	802,103	88,088
40-44	773,213	698,673	74,540
45-49	635,254	575,264	59,990
50-54	569,503	517,092	52,411
55-59	584,896	535,016	49,880
60-64	612,570	565,435	47,135
65-69	541,845	503,251	38,594
70-74	436,488	407,701	28,787
75 AND OVER	767,546	715,350	52,196

SOURCE: 1988 POPULATION ARE ESTIMATES PREPARED BY THE STATE DATA CENTER OF THE PENNSYLVANIA STATE UNIVERSITY AT HARRISBURG.

TABLE A-3
POPULATION BY AGE AND SEX: PENNSYLVANIA, 1980 AND 1988

	BOTH SEXES		MALE		FEMALE	
AGE GROUP (IN YEARS)	1988 ESTIMATED POPULATION	1980 ENUMERATED POPULATION	1988 ESTIMATED POPULATION	1980 ENUMERATED POPULATION	1988 ESTIMATED POPULATION	1980 ENUMERATED POPULATION
ALL AGES	12,002,236	11,863,895	5,751,472	5,682,590	6,250,764	6,181,305
UNDER 1 YEAR	165,560	158,327	84,829	80,893	80,731	77,434
1-4	649,847	589,131	333,095	301,378	316,752	287,753
5-9	788,901	805,151	403,952	412,460	384,949	392,691
10-14	779,116	931,891	398,565	476,210	380,551	455,681
15-19	892,771	1,080,610	453,363	545,210	439,408	535,400
20-24	943,165	1,059,815	478,121	522,900	465,044	536,915
25-29	981,829	945,051	489,246	468,512	492,583	476,539
30-34	989,541	847,847	487,317	416,215	502,224	431,632
35-39	890,191	682,283	435,913	330,811	454,278	351,472
40-44	773,213	591,789	376,786	284,324	396,427	307,465
45-49	635,254	600,257	304,527	286,858	330,727	313,399
50-54	569,503	695,755	269,547	329,850	299,956	365,905
55-59	584,896	712,074	272,372	332,033	312,524	380,041
60-64	612,570	632,981	278,661	289,152	333,909	343,829
65-69	541,845	537,045	235,217	235,802	306,628	301,243
70-74	436,488	407,020	177,738	166,668	258,750	240,352
75 AND OVER	767,546	586,868	272,223	203,314	495,323	383,554

SOURCE: 1980 POPULATION ENUMERATED BY THE U.S. BUREAU OF THE CENSUS.
1988 POPULATION ARE ESTIMATES PREPARED BY THE STATE DATA CENTER OF THE PENNSYLVANIA STATE UNIVERSITY AT HARRISBURG.

FIGURE A-2
POPULATION BY AGE AND SEX
PENNSYLVANIA, 1988

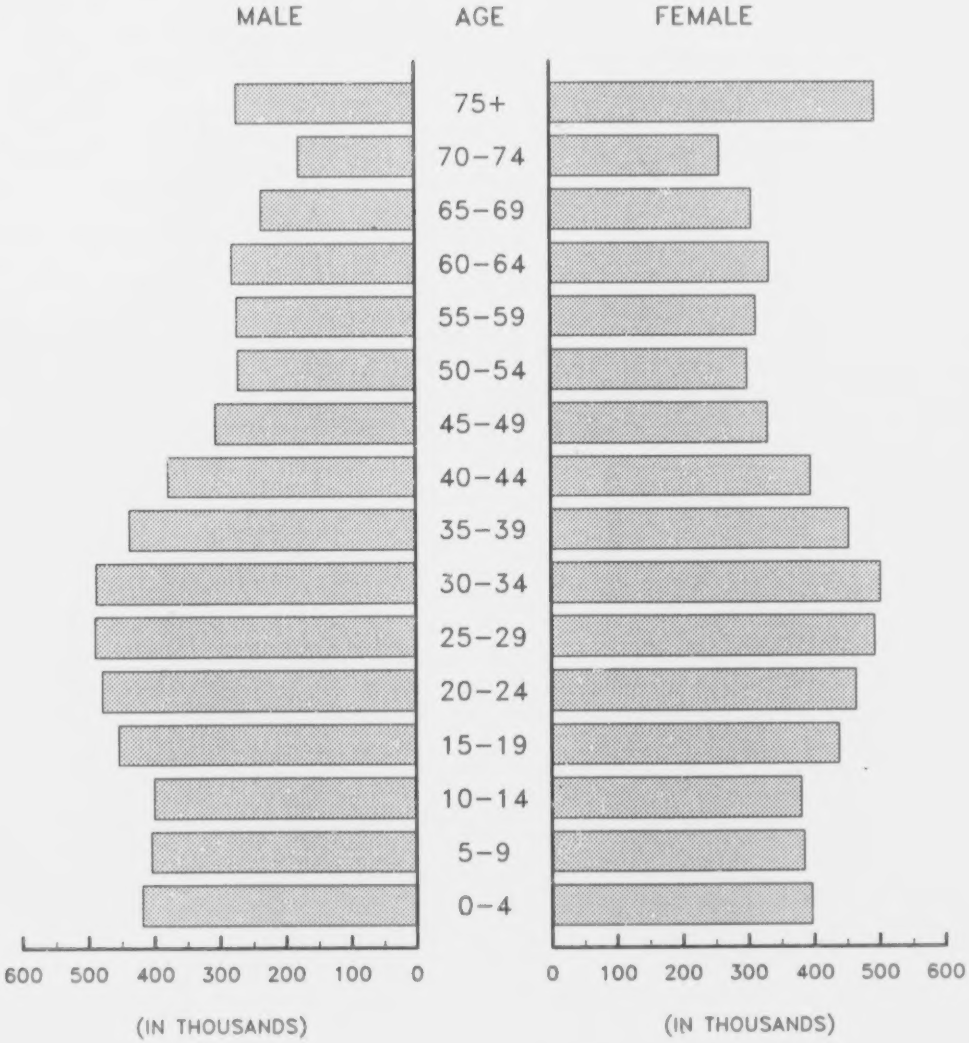
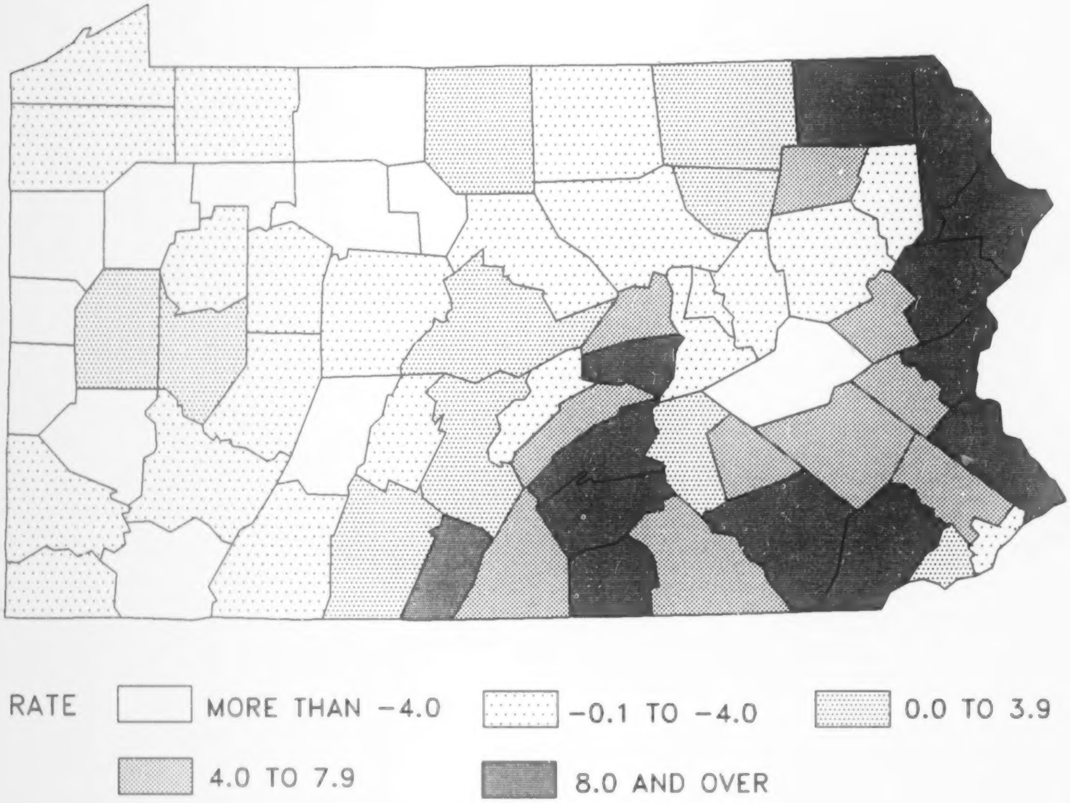


TABLE A-4
POPULATION BY COUNTY: PENNSYLVANIA, 1980 AND 1988

COUNTY	1988 ESTIMATED POPULATION	1980 ENUMERATED POPULATION	PERCENT CHANGE 1980-1988	COUNTY	1988 ESTIMATED POPULATION	1980 ENUMERATED POPULATION	PERCENT CHANGE 1980-1988
ALL COUNTIES	12,002,236	11,863,895	1.2				
ADAMS	74,300	68,292	8.8	JUNIATA	20,303	19,188	5.8
ALLEGHENY	1,354,297	1,450,085	-6.6	LACKAWANNA	222,303	227,908	-2.5
ARMSTRONG	77,899	77,768	0.2	LANCASTER	414,096	362,346	14.3
BEAVER	189,799	204,441	-7.2	LAWRENCE	100,900	107,150	-5.8
BEDFORD	48,003	46,784	2.6	LEBANON	114,302	108,582	5.3
BERKS	329,098	312,509	5.3	LEHIGH	288,702	272,349	6.0
BLAIR	132,496	136,621	-3.0	LUZERNE	331,503	343,079	-3.4
BRADFORD	64,501	62,919	2.5	LYCOMING	118,302	118,416	-0.1
BUCKS	543,602	479,211	13.4	MCKEAN	46,192	50,635	-8.8
BUTLER	153,402	147,912	3.7	MERCER	122,401	128,299	-4.6
CAMBRIA	170,103	183,263	-7.2	MIFFLIN	46,703	46,908	-0.4
CAMERON	6,399	6,674	-4.1	MONROE	93,506	69,409	34.7
CARBON	56,108	53,285	5.3	MONTGOMERY	687,504	643,621	6.8
CENTRE	115,702	112,760	2.6	MONTOUR	16,504	16,675	-1.0
CHESTER	366,503	316,660	15.7	NORTHAMPTON	243,596	225,418	8.1
CLARION	41,800	43,362	-3.6	NORTHUMBERLAND	98,400	100,381	-2.0
CLEARFIELD	81,695	83,578	-2.3	PERRY	40,800	35,718	14.2
CLINTON	38,005	38,971	-2.5	PHILADELPHIA	1,646,997	1,688,210	-2.4
COLUMBIA	61,001	61,967	-1.6	PIKE	26,802	18,271	46.7
CRAWFORD	85,998	88,869	-3.2	POTTER	18,003	17,726	1.6
CUMBERLAND	195,300	178,541	9.4	SCHUYLKILL	154,102	160,630	-4.1
DAUPHIN	240,805	232,317	3.7	SNYDER	36,400	33,584	8.4
DELAWARE	556,902	555,007	0.3	SOMERSET	80,502	81,243	-0.9
ELK	36,698	38,338	-4.3	SULLIVAN	6,404	6,349	0.9
ERIE	277,000	279,780	-1.0	SUSQUEHANNA	40,898	37,876	8.0
FAYETTE	152,199	159,417	-4.5	TIOGA	40,300	40,973	-1.6
FOREST	4,696	5,072	-7.4	UNION	34,902	32,870	6.2
FRANKLIN	120,300	113,629	5.9	VENANGO	60,993	64,444	-5.4
FULTON	14,400	12,842	12.1	WARREN	45,596	47,449	-3.9
GREENE	39,698	40,476	-1.9	WASHINGTON	209,099	217,074	-3.7
HUNTINGDON	43,102	42,253	2.0	WAYNE	40,495	35,237	14.9
INDIANA	92,009	92,281	-0.3	WESTMORELAND	378,702	392,294	-3.5
JEFFERSON	47,702	48,303	-1.2	WYOMING	28,402	26,433	7.4
				YORK	336,100	312,963	7.4

SOURCE: 1980 POPULATION ENUMERATED BY THE U.S. BUREAU OF THE CENSUS.
1988 POPULATION ARE ESTIMATES PREPARED BY THE STATE DATA CENTER OF THE PENNSYLVANIA STATE UNIVERSITY AT HARRISBURG.

FIGURE A–3
PERCENT POPULATION CHANGE BY COUNTY
PENNSYLVANIA, 1980 TO 1988


RATE
MORE THAN –4.0
–0.1 TO –4.0
0.0 TO 3.9
4.0 TO 7.9
8.0 AND OVER

NOTE: STATE PERCENT IS 1.2.

TABLE A-5
POPULATION FOR SELECTED MUNICIPALITIES: PENNSYLVANIA, 1980 AND 1988

MUNICIPALITY	1988 ESTIMATED POPULATION	1980 ENUMERATED POPULATION	PERCENT CHANGE 1980-1988
ALLENTOWN	105,210	103,758	1.4
ALTOONA	52,790	57,078	-7.5
BETHEL PARK	34,470	34,755	-0.8
BETHLEHEM	72,480	70,419	2.9
CHESTER	42,570	45,794	-7.0
EASTON	27,270	26,027	4.8
ERIE	112,800	119,123	-5.3
HARRISBURG	51,730	53,264	-2.9
HAZLETON	25,290	27,318	-7.4
JOHNSTOWN	30,410	35,496	-14.3
LANCASTER	58,980	54,725	7.8
LEBANON	26,860	25,711	4.5
MCKEESPORT	26,300	31,012	-15.2
MONROEVILLE	29,510	30,977	-4.7
NEW CASTLE	29,870	33,621	-11.2
NORRISTOWN	33,370	34,684	-3.8
PHILADELPHIA	1,646,997	1,688,210	-2.4
PITTSBURGH	375,230	423,960	-11.5
PLUM	24,760	25,390	-2.5
READING	76,550	78,686	-2.7
SCRANTON	81,250	88,117	-7.8
SHARON	15,560	19,057	-18.4
STATE COLLEGE	32,890	36,130	-9.0
WEST MIFFLIN	24,270	26,322	-7.8
WILKES-BARRE	47,010	51,551	-8.8
WILLIAMSPORT	31,830	33,401	-4.7
YORK	45,370	44,619	1.7

SOURCE: 1980 POPULATION ENUMERATED BY THE U.S. BUREAU OF THE CENSUS. 1988 POPULATION ARE ESTIMATES PREPARED BY THE STATE DATA CENTER OF THE PENNSYLVANIA STATE UNIVERSITY AT HARRISBURG.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

1988 NATALITY STATISTICS

Highlights

THE STATE:

Total Births There were 165,169 resident live births reported in 1988 for Pennsylvania, an increase of 2,821 or 1.7 percent from the 162,348 recorded in 1987. This is the highest annual number of resident live births since 1971 and the largest annual increase since 1979. This increase for 1988 is the fourth year in a row that the total number of resident live births for the state has increased. The 1988 birth rate per 1,000 population was 13.8 which is also the highest annual resident live birth rate recorded for the state since 1971.

Fertility Rates The 1988 general fertility rate of 60.1 live births per 1,000 females 15-44 years of age was slightly higher than the 1987 rate of 59.4. Over the past thirty years, the general fertility rate has declined by approximately 40 percent.

The 1988 total fertility rate (TFR) was 1731.5, the highest annual TFR since 1973 when it was 1734.5. This rate estimates the number of children a cohort of 1,000 females would bear if they all went through their childbearing years exposed to the age-specific birth rates in effect during that particular year. A TFR of 2000.0 indicates that, on the average, couples have produced at least two children to replace themselves. (See the Definitions of Rates section of the Technical Notes in the back of this report for more discussion of total fertility rates.) Pennsylvania's TFR has been under 2000.0 since 1972. However, it has remained relatively stable since then, although still below replacement level.

In comparing Pennsylvania birth and fertility rates with the United States rates back to 1950, Pennsylvania's rates have been consistently lower, even during the "babyboom" years of 1950 through 1964.

Age of Mother The median age of a Pennsylvania woman giving birth in 1988 was 27.1 compared to 24.7 in 1970. The number of live births to mothers under 25 years of age has declined by 19.6 percent since 1980 and 40.5 percent since 1970. In 1970, mothers under 25 years of age accounted for 52.2 percent of all live births. In 1980, they accounted for 46.9 percent; however, by 1988, only 36.2 percent of all births were to mothers under 25 years of age. Total annual numbers and percentages of births to mothers 25-29 years of age have remained relatively constant since 1970. However, the number of births among mothers aged 30 and older has increased by 58.1 percent compared to 1980 figures. Also, mothers aged 30 and older accounted for 20.3 percent of the resident live births during 1980. By 1988, this age group was responsible for 30.8 percent of all the resident live births recorded for the state.

The age-specific birth rates have declined since 1970 for all age groups except for those under 15 years of age. However, the increase for that age group has been very small, from a rate of 0.8 in 1970 to 1.0 in 1988. The total birth rate per 1,000 females 10-49 years of age has decreased by 16.5 percent since 1970, from 57.1 to 47.7 in 1988.

Sex and Race of Child In 1988, 51.3 percent of the live births were male and 48.7 percent were female. In 1988, births of races other than white accounted for 17.3 percent of all births, compared to 13.7 in 1980, a percentage increase of 26.3. In almost 22 percent of the births of races other than white in 1988, the mother was a teenager (under 20 years of age) compared to 8.7 percent for white infants. This reflects the fact that the median age among mothers of white infants was 27.5 while the median age of mothers who gave birth to infants of races other than white was 24.5 in 1988.

The 1988 birth rate per 1,000 females aged 10-49 years by race of child was 61.2 percent higher for non-whites than for whites. Rates broken down by five-year age groups and by race were also higher for non-whites than whites in all the age groups, with the largest difference in birth rates between the races occurring among teenage mothers.

Birth Weight

In 1988, 6.9 percent of the resident live births were classified as low birth weight (under 2,500 grams or 5 pounds 9 ounces). In 1987, the percentage was 7.0; in 1980, it had been 6.5. Among the races, 13.6 percent of non-white births were under 2500 grams compared to only 5.5 percent of white births. Female infants were slightly more likely than males to be low birth weight (7.4 percent for females, 6.5 percent for males). Infants of younger mothers, especially teenagers (10.0 percent) and mothers 20-24 years of age (7.4 percent), were much more likely to be low birth weight than infants born to mothers aged 25 and older (6.2 percent).

Prenatal Care

(NOTE: The percentages cited in the paragraphs below were computed by excluding those births for whom the mother's trimester of entry into prenatal care was unknown. Therefore, the following figures will not match those displayed in the corresponding data table.)

Of the births for which the mother's trimester of first prenatal visit was known in 1988, 79.1 percent received care during the first trimester (three months) of pregnancy. Almost 2 percent or 2,875 births were to mothers who had no prenatal care during their pregnancy. Among the births with teenage mothers, only 54.1 percent had received prenatal care in the first trimester, compared to 82.1 percent of the births to mothers 20 years of age and older. Births to mothers aged 30-34 had the highest percentage among all the maternal age groups for prenatal care received by the mother in the first three months of pregnancy (87.8 percent). Although only 11.0 percent of all resident live births were to teenage mothers, they accounted for 22.0 percent of the births to mothers who had no prenatal care. The mother's trimester of first prenatal visit was unknown in 2,860 (1.7 percent) of all resident live births in 1988.

The percentage of births with mothers who had no prenatal care was 0.7 percent among white births but, among births of races other than white, the percentage was 7.1 - almost ten times higher than the figure for white births. Among the births for whom the mother's trimester of entry into care was known, 83.8 percent of white infants had mothers who had obtained prenatal care in the first three months of pregnancy compared to only 55.8 percent of the infants of races other than white - a difference of 33.4 percent. Only 17.3 percent of all live births were of races other than white in 1988, yet these births were responsible for 67.1 percent of the births for which mothers had no prenatal care during their pregnancy.

Previous Pregnancies

During 1988, 33.0 percent of the resident live births were the result of the mother's first pregnancy. The corresponding figure in 1987 was 33.4 percent, and, in 1980, it was 37.4 percent. Among the births to teenage mothers (under 20 years of age), 31.0 percent had a history of at least one previous pregnancy.

Birth Order

In 1988, 40.8 percent of the live births were first born children, compared to 44.1 percent in 1980. Over 9 percent of the births in 1988 were fourth births or higher, compared to 1970, when over 20 percent were fourth births or higher. Among births to mothers 30 years of age and older, 24.2 percent were first-borns. In 1980, the percentage of first-borns for this maternal age group was 19.2; in 1975, it was 13.0, a difference of 86.2 percent from 1988.

Marital Status of Mother

Almost 27 percent of the births in 1988 were to unmarried mothers, compared to 1980, when 17.7 percent were to unmarried mothers, and 1970, when the percentage was only 9.8. This percentage varied considerably among age groups in 1988. Among the births to teenagers (under 20 years of age), 76.5 percent were to unmarried mothers. Almost 38 percent of the live births for the age group 20-24 were to unmarried mothers. However, among births to women 25 years of age and older, only 13.3 percent of the mothers were unmarried. In 1970, the percentage of births to teenage mothers who were unmarried was 31.7 and, by 1980, 51.2 percent. Births to all the maternal age groups listed in this report have recorded increases in the percentages of unmarried mothers.

Mother's Education During 1988, 16.4 percent of the live births were to mothers who had less than a twelfth grade education, compared to 18.9 percent in 1980. Also, 18.7 percent had 16 or more years of education which is an increase of 32.6 percent since 1980 when 14.1 percent was recorded.

Attendant at Birth The attendant at birth was most often a physician - in 96.8 percent of the births. Almost 3 percent or 4,830 of the live births in 1988 were attended by a midwife which is an increase of 413 births from the 1987 figure. The number of midwife-attended births rose steadily between 1980 and 1984. However, in 1985 and again in 1986, there were slight declines in the number of midwife-attended births. Then, an increase was recorded in 1987 and continued with 1988 figures. Nearly 99 percent of the resident live births in 1988 were hospital deliveries.

Medical Conditions Complications of pregnancy were reported for 25.8 percent of the live births in 1988, compared to 15.7 in 1980. For births to mothers 35 years of age and older, the percentages tended to be higher than for births to mothers under 35 years of age. Complications of labor or delivery were reported in almost 20 percent of the live births in 1988.

Method of Delivery Spontaneous vaginal deliveries accounted for nearly two-thirds of all resident live births in 1988. The proportion of deliveries involving forceps dropped to 5.8 percent, a 63.1 percent decrease from the 1980 figure of 15.7. The proportion of caesarian section deliveries in 1988 was 23.0, a decline from the 23.3 percent recorded in 1987. This is the first decline in the annual percentage of caesarian sections since 1961 when the percentage dropped to 4.0 from 4.1 in 1960. The proportion of caesarian sections had been increasing steadily and dramatically over the years to a high of 23.3 percent in 1987, a rise of almost 50 percent from the 15.6 percent recorded in 1980. In 1970, only 5.6 percent of the births were delivered as caesarian sections, and, in 1975, 9.9 percent. The percentage incidence of caesarian section delivery rises consistently with increasing maternal age. For example, births delivered by teenage mothers in 1988 had a caesarian section rate of 17.7 compared to 31.7 for mothers aged 40 and over.

Apgar Score The percentage of white births with Apgar scores of 0-3 at one minute was 1.7, compared to 3.6 for births of all other races. At five minutes, 97.0 percent of white births and 94.6 percent of all other births had an Apgar score of 8, 9 or 10. Differences between males and females were slight, with males tending to have somewhat lower scores than females. For example, 5.0 percent of the males had Apgar scores of 0-5 at one minute, compared to 4.3 percent of the females.

Given Names Ashley was the most popular first name given to females born in Pennsylvania during 1988, as it has been since 1985. Amanda, Jessica, Nicole, Jennifer, and Sarah have continued to be popular since 1980. None of the ten most popular names given to females born in 1960 appeared on the 1988 list. Among white females born in 1988, Amanda was the most often given name, followed by Ashley. However, Ashley was the most popular given name in 1988 among newborn females of races other than white. The other top ten names given to non-white females that also appeared in the top ten list for white females were Brittany, Jessica, Nicole and Amanda. Tiffany and Jasmine were other high ranking favorite names given to females of races other than white.

Among the male infants, Michael continued to be the most popular given name, as it has been since 1970. The top five names given to males born in 1960 (John, Michael, David, Robert and James) still appeared on the 1988 list. Michael was also the top name given to male newborns of both white and all other races in 1988. Christopher placed in the top third in both lists and David appeared seventh among both white and non-white males. Robert also appeared on both racial lists. After that, the similarities between the male lists by race disappear.

COUNTIES:

Total Births Philadelphia County residents accounted for 28,940 live births or 17.5 percent of the total births in the state during 1988, and, along with six other counties (Allegheny, Bucks, Chester, Delaware, Lancaster, and Montgomery) that had 5,000 or more resident live births each, accounted for just over half (51.0 percent) of all the resident births recorded that year in Pennsylvania. Philadelphia County also had the highest crude birth rate among the counties with 17.6 resident live births per 1,000 population. Montour with 16.9 and Lancaster with 16.6 were the next highest counties. The five-year (1984-88) summary crude birth rates show Philadelphia County again with the highest rate, 16.7 per 1,000 population. Lancaster County placed second with an average birth rate of 15.9 for the five-year period. Southwestern and northeastern counties tended to have five-year summary birth rates lower than the state rate.

Births by Race While 57.1 percent of all births among races other than white in the state during 1988 were to residents of Philadelphia County, four other counties accounted for another 25.0 percent of these births - Allegheny, Dauphin, Delaware, and Montgomery. There were no births to non-whites in three rural counties (Cameron, Forest and Potter). Twenty-six other counties had less than ten live births of races other than white. Five-year summary (1984-88) figures by race indicate that all counties had resident non-white live births.

Age of Mother Philadelphia County accounted for 17.5 percent of all the births in 1988 and 28.5 percent of all the births to teenage mothers in Pennsylvania. In contrast, Allegheny County, the county with the second highest number and percentage (10.5) of total births for the state, had only 8.6 percent of all the births to teenagers in the state. Among the 67 counties, McKean County had the highest percentage of births within the county to teenagers (18.7), followed by Philadelphia with 17.8 and Forest County at 17.6 percent. Montgomery County had the lowest percentage of county births to teenage mothers (4.6). The next lowest counties were Pike (5.4 percent), Bucks (5.8 percent), Chester (6.2 percent), and Cumberland (6.3 percent).

Birth Weight Philadelphia County had the highest percentage of low birth weight infants (under 2500 grams or 5 pounds 9 ounces) at 11.7 percent and these births accounted for 29.7 percent of all the low birth weight infants born to Pennsylvania residents in 1988.

Five-year summary (1984-88) low and very low birth weight percentages followed patterns similar to the 1988 figures. Philadelphia had the highest percentages of both low (10.8) and very low (2.3) birth weights during that time. Clearfield County had the second highest percentage of low birth weight infants born during 1984-88 with 7.5 and Allegheny County followed closely at 7.1 percent. Cameron County had the second highest percentage of very low birth weight babies (2.1) during 1984-88, followed by Allegheny County at 1.5 and Dauphin County with 1.4 percent.

Mother's Education Snyder County had the highest percentage of births to mothers with an eighth grade education or less (17.0), followed closely by Mifflin County (16.8 percent) and Lancaster County (15.4 percent). Union County (11.8 percent), Crawford County (9.5 percent), Juniata County (8.4 percent), and Indiana County (7.3 percent) also had rather high figures. The state percentage was 2.7. Montgomery, Centre, and Chester Counties led in highest percentages of births with mothers who had 16 or more years of education -- 37.2, 34.5, and 33.9, respectively, compared to 18.7 percent for the state in 1988.

Marital Status of Mother Almost 56 percent of the births recorded for Philadelphia residents in 1988 were to unmarried mothers. Dauphin County was the only other county with both a large number (1,111) and percentage (31.6) of births to unmarried mothers. The lowest percentages of births to unmarried mothers occurred in Pike (8.4), Wayne (11.7), and Montgomery (12.2) Counties.

Prenatal Care

(NOTE: The percentages cited in the paragraph below were computed by excluding those births for whom the mother's trimester of entry into prenatal care was unknown. Therefore, the following figures will not match those displayed in the corresponding data table.)

Sullivan County had the lowest percentage of births for which mothers had received prenatal care in the first trimester or three months of pregnancy -- 61.5. The second lowest was Lycoming County with 61.9 percent, followed by Philadelphia County at 62.1 percent. Seven other counties had percentages ranging between 72.0 and 75.0 (Centre, Dauphin, Franklin, McKean, Perry, Snyder, and Wyoming). Only one county had a percentage of births to mothers who had received prenatal care in the first trimester above 90 percent -- Elk (90.3). Ten other counties had percentages of 85.0 to 87.0 -- Allegheny, Beaver, Bucks, Jefferson, Lackawanna, Luzerne, Montgomery, Northampton, Warren, and Westmoreland. Philadelphia had, by far, the highest percentage of births for which mothers had no prenatal care (6.7 percent) and that figure (1,835) also represented 63.8 percent of all such births in the state during 1988.

Attendant at Birth

Lancaster County, which had only 4.2 percent of Pennsylvania's total live births in 1988, accounted for over 29 percent of all live births in the state delivered outside of a hospital. Four counties had rather high percentages of deliveries by a midwife -- Clinton (33.3), Mifflin (24.6), Huntingdon (24.3), and Lycoming (20.0).

CITIES AND BOROUGHS:

Total Births

The 27 municipalities listed in this section accounted for 32.0 percent of all the resident live births in the state during 1988. Chester had the highest resident birth rate with 24.4 births per 1,000 population. Harrisburg and Norristown followed with rates of 22.8 and 22.5, respectively. State College had, by far, the lowest birth rate -- 6.1, almost half the rate of the second lowest municipality, Hazleton, with 11.1 Almost two-thirds (17 out of 27) of the municipalities had resident live birth rates higher than the state rate of 13.8 in 1988.

Births by Race

In three municipalities, more than half of the total births were non-white. In Chester, births of races other than white accounted for 74.7 percent of all births, compared to 72.4 percent in 1987. In Harrisburg, 63.7 percent of all births were non-white. Philadelphia residents of races other than white accounted for 56.3 percent of the births for that city during 1988.

Age of Mother

Six municipalities had percentages of births to teenage mothers of over 20 percent -- Chester (24.4), Harrisburg (23.8), York (22.6), Lancaster (22.1), Johnstown (21.7), and Lebanon (21.5). The percentage of births to teenage mothers in 1988 for the state was 11.0.

Birth Weight

Five municipalities had percentages of low birth weight infants (under 2500 grams or 5 pounds 9 ounces) at or above 10 percent -- Chester (12.0), Philadelphia (11.7), Harrisburg (10.5), York (10.1), and Pittsburgh (10.0). In comparison, the state figure was 6.9 percent. Harrisburg, Philadelphia, and York shared the highest percentage of very low birth weight infants (under 1500 grams or 3 pounds 5 ounces) with 2.5 percent each. Chester and Pittsburgh followed closely with 2.3 percent each. In all other areas of the state outside of the 27 municipalities, only 5.4 percent of the live births were low birth weight and 1.0 percent very low birth weight.

Mother's Education

Reading and Lancaster at 7.4 and 7.2, respectively, had the highest percentages of births to mothers with an eighth grade education or less. State College had, by far, the highest percentage of births to mothers with a college education -- 62.9. Second highest was Bethel Park at 42.6 percent, followed closely by Monroeville with 41.9 percent..

Marital Status of Mother

Chester had the highest percentage of births to unmarried mothers -- 69.1, followed by Harrisburg (61.5 percent), Philadelphia (55.8 percent), York (55.6 percent), and Lancaster

(52.0 percent). In Bethel Park, Plum, and State College Boroughs, over 90 percent of the births were to mothers married at the time of birth. Monroeville was close with 88.8 percent. In all other areas of the state outside of the 27 municipalities, 16.0 percent of the births occurred to unmarried mothers compared to 26.5 percent for the entire state.

Prenatal Care

(NOTE: The percentages cited in the paragraph below were computed by excluding those births for whom the mother's trimester of entry into prenatal care was unknown. Therefore, the following figures will not match those displayed in the corresponding data table.)

Chester and Harrisburg had the lowest percentages of births for which the mothers obtained prenatal care in the first trimester of pregnancy -- 55.8 and 54.4, respectively. Percentages of six other municipalities fell below 70 percent -- Williamsport (60.3 percent), Philadelphia (62.1 percent), Reading (65.7 percent), Lebanon (67.2 percent), McKeesport (69.7 percent), and State College (69.8 percent). Bethel Park Borough had the highest percentage of births for which mothers received care in the first three months of pregnancy with 96.2 percent. Next highest was Plum Borough with 91.4 percent. In all other areas of the state outside of the 27 municipalities, 83.9 percent received care in the first trimester, and, for the entire state, 79.1 percent.

LIST OF DATA TABLES AND ILLUSTRATIONS

NATALITY DATA TABLES

PAGE

Table B-1 Resident Live Births: Pennsylvania, 1915-1988 26

Table B-2 Live Birth Rate, General Fertility Rate and Total Fertility Rate: Pennsylvania and United States, 1950-1988 27

Table B-3 Resident Live Births by Age of Mother, Number and Rate: Pennsylvania, 1988, 1985, 1980, 1975, 1970 29

Table B-4A Resident Live Births by Age of Mother, Sex and Race of Child, Pennsylvania, 1988 30

Table B-4B Resident Live Birth Rate by Age of Mother and Race of Child, Pennsylvania, 1988 30

Table B-5 Resident Live Births by Birth Weight, Sex and Race of Child, Number and Percent: Pennsylvania, 1988 31

Table B-6 Resident Live Births by Age of Mother and Birth Weight, Number and Percent: Pennsylvania, 1988 31

Table B-7A Resident Live Births by Age of Mother and Trimester of First Prenatal Visit, Number and Percent: Pennsylvania, 1988 32

Table B-7B Resident Live Births by Race of Child and Trimester of First Prenatal Visit, Number and Percent: Pennsylvania, 1988 32

Table B-8 Resident Live Births by Age of Mother and Number of Previous Pregnancies, Number and Percent: Pennsylvania, 1988 34

Table B-9 Resident Live Births by Age of Mother and Number of Previous Live Births, Number and Percent: Pennsylvania, 1988 34

Table B-10 Resident Live Births by Age and Marital Status of Mother, Number and Percent: Pennsylvania, 1988 35

Table B-11 Resident Live Births by Age and Education of Mother, Number and Percent: Pennsylvania, 1988 35

Table B-12 Resident Live Births by Age of Mother, Place of Delivery and Attendant at Birth, Pennsylvania, 1988 36

Table B-13 Resident Live Births by Age of Mother and Type of Medical Condition, Number and Percent: Pennsylvania, 1988 36

Table B-14A Resident Live Births by Age of Mother and Method of Delivery, Number: Pennsylvania, 1988 37

LIST OF DATA TABLES AND ILLUSTRATIONS

NATALITY DATA TABLES (CONTINUED) PAGE

Table B-14B Resident Live Births by Age of Mother and Method of Delivery, Percent: Pennsylvania, 1988 37

Table B-15A Resident Live Births by Apgar Score at One Minute by Race and Sex of Child, Pennsylvania, 1988 38

Table B-15B Resident Live Births by Apgar Score at Five Minutes by Race and Sex of Child, Pennsylvania, 1988 38

Table B-16 Names Most Frequently Given to Live Births Occurring in Pennsylvania by Sex, 1988 and 1960, by Sex and Race, 1988 39

Table B-17 Resident Live Births by Sex, Race and County, Total Births, Birth and General Fertility Rates: Pennsylvania, 1988 40

Table B-18 Resident Live Births by Sex, Race and County, Number and Rate: Pennsylvania, Five Year Summary, 1984-1988 42

Table B-19 Resident Live Births by Age of Mother and County, Pennsylvania, 1988 46

Table B-20 Resident Live Births by Birth Weight and County, Number and Percent: Pennsylvania, 1988 48

Table B-21 Resident Live Births by Birth Weight and County, Number and Percent: Pennsylvania, Five Year Summary, 1984-1988 50

Table B-22 Resident Live Births by Education of Mother and County, Number and Percent: Pennsylvania, 1988 54

Table B-23 Resident Live Births by Marital Status of Mother and County, Number and Percent: Pennsylvania, 1988 56

Table B-24 Resident Live Births by Trimester of First Prenatal Visit and County, Number and Percent: Pennsylvania, 1988 58

Table B-25 Resident Live Births by Place of Delivery, Attendant at Birth and County, Pennsylvania, 1988 60

Table B-26 Resident Live Births by Sex, Race and Selected Municipalities, Number and Rate: Pennsylvania, 1988 62

Table B-27 Resident Live Births by Age of Mother and Selected Municipalities, Pennsylvania, 1988 64

Table B-28 Resident Live Births by Birth Weight and Selected Municipalities, Number and Percent: Pennsylvania, 1988 65

LIST OF DATA TABLES AND ILLUSTRATIONS

NATALITY DATA TABLES (CONTINUED) PAGE

Table B-29 Resident Live Births by Education of Mother and Selected Municipalities, Number and Percent: Pennsylvania, 1988 66

Table B-30 Resident Live Births by Marital Status of Mother and Selected Municipalities, Number and Percent: Pennsylvania, 1988 67

Table B-31 Resident Live Births by Trimester of First Prenatal Visit and Selected Municipalities, Number and Percent: Pennsylvania, 1988 68

NATALITY DATA ILLUSTRATIONS PAGE

Figure B-1 Live Birth Rates, Pennsylvania and United States, 1950-1988 28

Figure B-2 General Fertility Rates, Pennsylvania and United States, 1950-1988 28

Figure B-3 Resident Birth Rates by Age of Mother, Pennsylvania, 1988 29

Figure B-4 Resident Live Births by Race of Child and Trimester of First Prenatal Visit, Pennsylvania, 1988 33

Figure B-5 State Map: Resident Birth Rates by County, Pennsylvania, 1988 44

Figure B-6 State Map: Resident Birth Rates by County, Pennsylvania, Five Year Summary, 1984-1988 44

Figure B-7 State Map: General Fertility Rates by County, Pennsylvania Residents, 1988 45

Figure B-8 Resident Live Births, Percent with Very Low and Low Birth Weight by County, Pennsylvania, Five Year Summary, 1984-1988 52

Figure B-9 Resident Live Birth Rates by Selected Municipalities, Pennsylvania, 1988 63

TABLE B-1
RESIDENT LIVE BIRTHS: PENNSYLVANIA, 1915-1988

YEAR	NUMBER	YEAR	NUMBER	YEAR	NUMBER
1988	165,169	1963	221,537	1938	165,708
1987	162,348	1962	226,393	1937	161,133
1986	160,336	1961	240,172	1936	159,393
1985	160,001	1960	241,099	1935	161,166
1984	156,799	1959	246,615	1934	160,238
1983	157,810	1958	249,810	1933	157,046
1982	161,561	1957	254,997	1932	168,534
1981	160,179	1956	248,019	1931	178,714
1980	158,670	1955	242,591	1930	189,458
1979	157,533	1954	245,521	1929	189,524
1978	151,438	1953	239,206	1928	200,769
1977	153,415	1952	239,964	1927	210,001
1976	148,004	1951	235,074	1926	207,696
1975	148,942	1950	221,635	1925	215,120
1974	151,458	1949	224,581	1924	223,103
1973	153,272	1948	227,227	1923	217,235
1972	163,110	1947	248,513	1922	214,348
1971	180,939	1946	218,376	1921	229,452
1970	192,154	1945	173,799	1920	220,462
1969	185,046	1944	178,370	1919	207,685
1968	185,729	1943	199,366	1918	220,170
1967	188,706	1942	197,177	1917	222,505
1966	195,869	1941	174,193	1916	217,449
1965	204,105	1940	165,456	1915	217,979
1964	218,515	1939	160,774		

NOTE: DATA PRIOR TO 1937 ARE BY PLACE OF OCCURRENCE. ALL OTHER DATA ARE BY PLACE OF RESIDENCE.

TABLE B-2
LIVE BIRTH RATE, GENERAL FERTILITY RATE AND TOTAL FERTILITY RATE: PENNSYLVANIA AND UNITED STATES, 1950-1988

YEAR	LIVE BIRTH RATE* PENNSYLVANIA	LIVE BIRTH RATE* UNITED STATES	GENERAL FERTILITY RATE* PENNSYLVANIA	GENERAL FERTILITY RATE* UNITED STATES	TOTAL FERTILITY RATE* PENNSYLVANIA	TOTAL FERTILITY RATE* UNITED STATES
1988	13.8	15.9**	60.1	67.3**	1731.5	***
1987	13.6	15.7	59.4	65.7	1693.5	1871.0
1986	13.5	15.6	58.9	65.4	1659.0	1836.0
1985	13.5	15.8	58.8	66.2	1642.0	1842.5
1984	13.2	15.5	57.9	65.4	1603.0	1805.5
1983	13.3	15.5	59.2	65.8	1633.0	1802.9
1982	13.6	15.9	60.6	67.3	1667.5	1828.5
1981	13.5	15.8	60.7	67.4	1654.5	1815.0
1980	13.4	15.9	60.1	68.4	1633.5	1839.5
1979	13.4	15.6	60.4	67.2	1672.0	1808.0
1978	12.9	15.0	58.7	65.5	1617.0	1760.0
1977	13.0	15.1	59.8	66.8	1620.5	1789.5
1976	12.5	14.6	57.7	65.0	1569.5	1738.0
1975	12.6	14.6	58.7	66.0	1600.5	1774.0
1974	12.8	14.8	60.5	67.8	1673.5	1835.0
1973	12.9	14.8	61.7	68.8	1734.5	1879.0
1972	13.7	15.6	66.3	73.1	1892.5	2010.0
1971	15.1	17.2	75.4	81.6	2188.5	2266.5
1970	16.3	18.4	80.6	87.9	2378.5	2480.0
1969	15.7	17.9	76.6	86.1	2245.0	2455.5
1968	15.8	17.6	77.6	85.2	2319.5	2464.2
1967	16.2	17.8	80.0	87.2	2444.5	2557.7
1966	16.8	18.4	83.4	90.8	2593.5	2721.4
1965	17.7	19.4	87.6	96.3	2754.5	2912.6
1964	19.1	21.1	94.8	104.7	3002.0	3190.5
1963	19.4	21.7	96.2	108.3	3072.5	3318.8
1962	19.9	22.4	98.8	112.0	3222.0	3461.3
1961	20.9	23.3	104.1	117.1	3390.5	3620.3
1960	21.3	23.7	104.5	118.0	3354.5	3653.6
1959	21.8	24.2	104.3	119.9	3258.5	3712.4
1958	22.5	24.5	106.8	120.0	3315.5	3700.5
1957	22.8	25.3	107.7	122.7	3316.5	3767.0
1956	22.3	25.2	103.6	121.0	3169.5	3689.0
1955	21.8	25.0	100.1	118.3	3020.0	3573.7
1954	22.5	25.3	101.9	117.9	3042.0	3542.6
1953	22.1	25.1	98.9	115.0	2912.0	3424.1
1952	22.4	25.1	98.4	113.8	2873.5	3358.4
1951	22.2	24.9	96.5	111.4	2799.5	3269.3
1950	21.1	24.1	90.6	106.2	2610.0	3090.5

* LIVE BIRTH RATES PER 1,000 POPULATION.

GENERAL FERTILITY RATE: NUMBER OF TOTAL LIVE BIRTHS PER 1,000 FEMALES OF CHILDBEARING AGE (BETWEEN THE AGES OF 15 AND 44 YEARS).

TOTAL FERTILITY RATE: THE SUM OF THE AGE-SPECIFIC BIRTH RATES OF WOMEN IN FIVE YEAR AGE GROUPS MULTIPLIED BY FIVE. THIS RATE ESTIMATES THE NUMBER OF CHILDREN A COHORT OF 1,000 WOMEN WOULD BEAR IF THEY ALL WENT THROUGH THEIR CHILDBEARING YEARS EXPOSED TO THE AGE SPECIFIC BIRTH RATES IN EFFECT AT A PARTICULAR TIME.

** PROVISIONAL DATA.
***DATA NOT AVAILABLE.

FIGURE B-1
LIVE BIRTH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

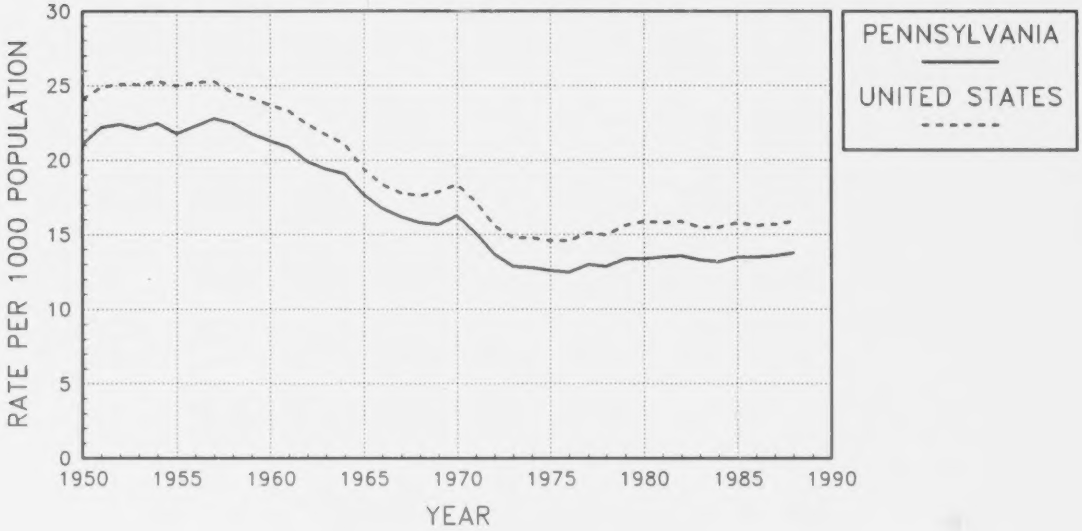


FIGURE B-2
GENERAL FERTILITY RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

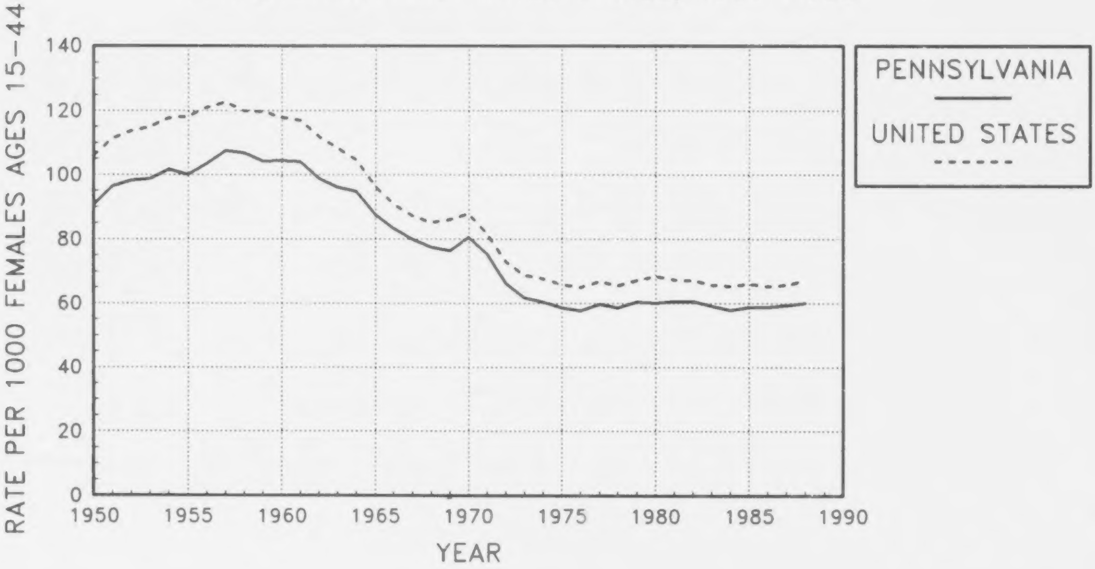


TABLE B-3
RESIDENT LIVE BIRTHS BY AGE OF MOTHER, NUMBER AND RATE*
PENNSYLVANIA, 1988, 1985, 1980, 1975, 1970

	1988		1985		1980		1975		1970	
AGE OF MOTHER**	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	165,169	47.7	160,001	46.9	158,670	46.6	148,942	43.3	192,154	57.1
UNDER 15	386	1.0	359	0.9	324	0.7	412	0.8	443	0.8
15-19	17,701	40.3	18,119	39.2	21,683	40.5	24,701	43.6	28,592	53.2
20-24	41,681	89.6	45,144	90.0	52,371	97.5	50,414	95.0	71,365	156.1
25-29	54,603	110.9	54,458	106.0	52,077	109.3	47,304	104.8	54,250	149.6
30-34	37,726	75.1	31,803	67.9	25,306	58.6	18,881	52.8	23,913	75.7
35-39	11,563	25.5	8,974	21.2	5,958	17.0	5,815	18.7	10,526	32.3
40-44	1,459	3.7	1,103	3.1	898	2.9	1,334	4.2	2,878	7.5
45 & OVER	50	0.2	41	0.1	53	0.2	81	0.2	187	0.5

* RATE PER 1,000 FEMALE POPULATION FOR EACH YEAR BY AGE GROUP. ALL AGES INCLUDES FEMALES AGE 10-49 YEARS; UNDER 15 INCLUDES FEMALES AGE 10-14 YEARS; AND 45 AND OVER INCLUDES FEMALES AGE 45-49 YEARS.

**BIRTHS WITH UNKNOWN MOTHER'S AGE ARE INCLUDED IN THE 25-29 YEAR AGE GROUP FOR 1988, AND IN THE 20-24 YEAR AGE GROUP FOR ALL OTHER YEARS.

FIGURE B-3
RESIDENT BIRTH RATES BY AGE OF MOTHER
PENNSYLVANIA, 1988

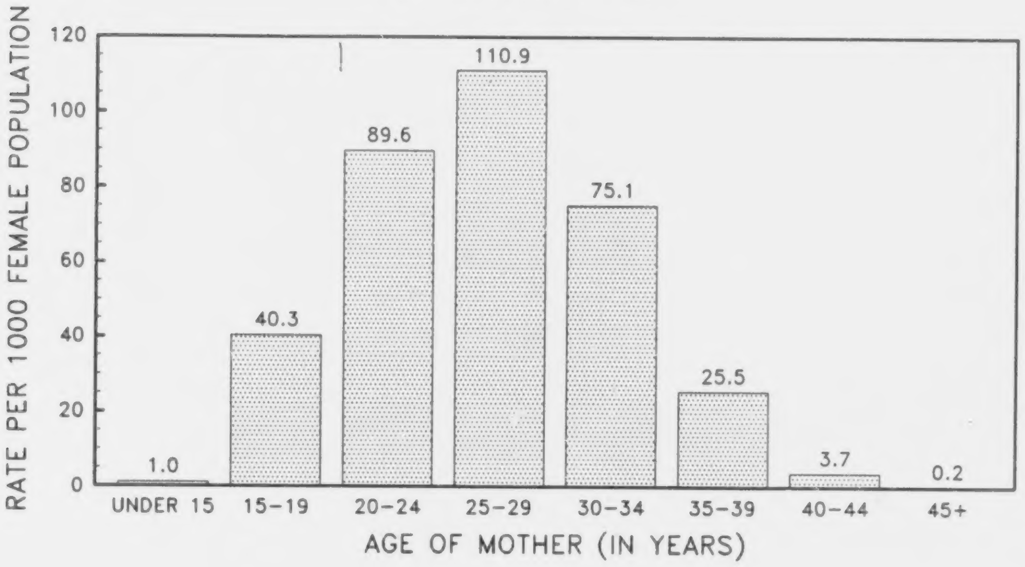


TABLE B-4A
RESIDENT LIVE BIRTHS BY AGE OF MOTHER, SEX AND RACE OF CHILD
PENNSYLVANIA, 1988

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	WHITE*			ALL OTHER		
		TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL AGES	165,169	136,656	70,289	66,367	28,513	14,485	14,028
UNDER 15	386	147	72	75	239	117	122
15-19	17,701	11,685	6,060	5,625	6,016	3,077	2,939
20-24	41,681	32,806	16,892	15,914	8,875	4,527	4,348
25-29	54,481	46,999	24,180	22,819	7,482	3,810	3,672
30-34	37,726	33,427	17,062	16,365	4,299	2,162	2,137
35-39	11,563	10,189	5,292	4,897	1,374	681	693
40-44	1,459	1,263	656	607	196	95	101
45 & OVER	50	41	24	17	9	6	3
UNKNOWN	122	99	51	48	23	10	13

* UNKNOWN RACE OF CHILD INCLUDED IN THE WHITE CATEGORY.
**UNKNOWN SEX OF CHILD INCLUDED IN THE MALE CATEGORY.

TABLE B-4B
RESIDENT LIVE BIRTH RATE* BY AGE OF MOTHER AND RACE OF CHILD, PENNSYLVANIA, 1988

AGE OF MOTHER (IN YEARS)	ALL RACES	WHITE**	ALL OTHER RACES
ALL AGES	47.7	44.6	71.9
UNDER 15	1.0	0.4	5.0
15-19	40.3	30.2	114.5
20-24	89.6	80.5	154.3
25-29***	110.9	108.9	124.8
30-34	75.1	74.8	77.4
35-39	25.5	25.1	28.7
40-44	3.7	3.6	4.8
45 & OVER	0.2	0.1	0.3

* RATE PER 1,000 FEMALE POPULATION FOR EACH RACE BY AGE GROUP. ALL AGES INCLUDES FEMALES AGE 10-49 YEARS; UNDER 15 INCLUDES FEMALES AGE 10-14 YEARS; AND 45 & OVER INCLUDES FEMALES AGE 45-49 YEARS.
** UNKNOWN RACE OF CHILD INCLUDED IN THE WHITE CATEGORY.
***BIRTHS WITH UNKNOWN MOTHER'S AGE ARE INCLUDED IN THE AGE 25-29 YEARS.

TABLE B-5
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT, SEX AND RACE OF CHILD
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

		WHITE **						ALL OTHER					
BIRTH WEIGHT (IN GRAMS)	TOTAL BIRTHS	TOTAL		MALE***		FEMALE		TOTAL		MALE***		FEMALE	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL	165,169	136,656	100.0	70,289	100.0	66,367	100.0	28,513	100.0	14,485	100.0	14,028	100.0
0-1499	2,227	1,371	1.0	689	1.0	682	1.0	856	3.0	447	3.1	409	2.9
1500-2499	9,190	6,174	4.5	2,966	4.2	3,208	4.8	3,016	10.6	1,391	9.6	1,625	11.6
2500-3499	86,838	69,031	50.5	31,960	45.5	37,071	55.9	17,807	62.5	8,610	59.4	9,197	65.6
3500-4499	63,749	57,149	41.8	32,698	46.5	24,451	36.8	6,600	23.1	3,893	26.9	2,707	19.3
4500+	3,036	2,822	2.1	1,922	2.7	900	1.4	214	0.8	139	1.0	75	0.5
UNKNOWN	129	109	0.1	54	0.1	55	0.1	20	0.1	5	0.0	15	0.1

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH COLUMN.
** UNKNOWN RACE OF CHILD INCLUDED IN THE WHITE CATEGORY.
*** UNKNOWN SEX OF CHILD INCLUDED IN THE MALE CATEGORY.

TABLE B-6
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND BIRTH WEIGHT
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

		BIRTH WEIGHT											
AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	0-1499 GRAMS		1500-2499 GRAMS		2500-3499 GRAMS		3500-4499 GRAMS		4500 GRAMS AND OVER		UNKNOWN WEIGHT	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL AGES	165,169	2,227	1.3	9,190	5.6	86,838	52.6	63,749	38.6	3,036	1.8	129	0.1
UNDER 15	386	15	3.9	38	9.8	233	60.4	97	25.1	3	0.8	0	-
15-19	17,701	344	1.9	1,414	8.0	10,604	59.9	5,198	29.4	131	0.7	10	0.1
20-24	41,681	592	1.4	2,512	6.0	23,304	55.9	14,672	35.2	586	1.4	15	0.0
25-29	54,481	644	1.2	2,698	5.0	28,043	51.5	22,045	40.5	1,028	1.9	23	0.0
30-34	37,726	452	1.2	1,786	4.7	18,386	48.7	16,145	42.8	926	2.5	31	0.1
35-39	11,563	154	1.3	634	5.5	5,493	47.5	4,947	42.8	326	2.8	9	0.1
40-44	1,459	18	1.2	97	6.6	711	48.7	597	40.9	34	2.3	2	0.1
45 & OVER	50	3	6.0	3	6.0	22	44.0	21	42.0	1	2.0	0	-
UNKNOWN	122	5	4.1	8	6.6	42	34.4	27	22.1	1	0.8	39	32.0

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.

NOTE: LOW BIRTH WEIGHT IS DEFINED AS 2499 GRAMS AND LESS.

TABLE B-7A
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND TRIMESTER OF 1ST PRENATAL VISIT
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	TRIMESTER IN PREGNANCY FIRST		SECOND		THIRD		UNKNOWN		NO PRENATAL VISITS	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL AGES	165,169	128,362	77.7	24,948	15.1	6,124	3.7	2,860	1.7	2,875	1.7
UNDER 15	386	126	32.6	151	39.1	68	17.6	15	3.9	26	6.7
15-19	17,701	9,379	53.0	5,669	32.0	1,539	8.7	507	2.9	607	3.4
20-24	41,681	29,420	70.6	8,234	19.8	2,095	5.0	880	2.1	1,052	2.5
25-29	54,481	45,691	83.9	5,977	11.0	1,352	2.5	754	1.4	707	1.3
30-34	37,726	32,723	86.7	3,474	9.2	707	1.9	464	1.2	358	0.9
35-39	11,563	9,871	85.4	1,149	9.9	283	2.4	163	1.4	97	0.8
40-44	1,459	1,084	74.3	258	17.7	65	4.5	29	2.0	23	1.6
45 & OVER	50	31	62.0	13	26.0	4	8.0	0	-	2	4.0
UNKNOWN	122	37	30.3	23	18.9	11	9.0	48	39.3	3	2.5

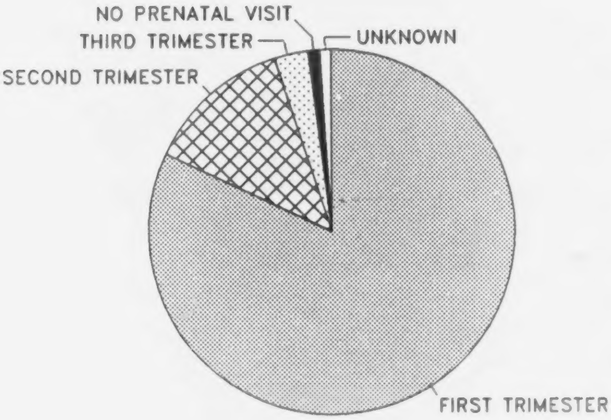
* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.

TABLE B-7B
RESIDENT LIVE BIRTHS BY RACE OF CHILD AND TRIMESTER OF 1ST PRENATAL VISIT
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

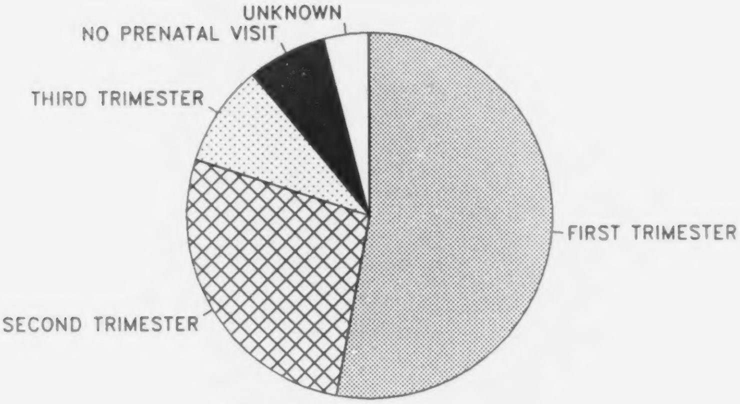
RACE OF CHILD	TOTAL BIRTHS	TRIMESTER IN PREGNANCY FIRST		SECOND		THIRD		UNKNOWN		NO PRENATAL VISITS	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL RACES	165,169	128,362	77.7	24,948	15.1	6,124	3.7	2,860	1.7	2,875	1.7
WHITE**	136,656	113,084	82.8	17,291	12.7	3,632	2.7	1,704	1.2	945	0.7
ALL OTHER	28,513	15,278	53.6	7,657	26.9	2,492	8.7	1,156	4.1	1,930	6.8

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH RACE GROUP.
**UNKNOWN RACE OF CHILD INCLUDED IN THE WHITE CATEGORY.

FIGURE B-4
RESIDENT LIVE BIRTHS BY RACE OF CHILD AND TRIMESTER OF FIRST PRENATAL VISIT, PENNSYLVANIA, 1988



WHITE RACE



ALL OTHER RACES

TABLE B-8
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND NUMBER OF PREVIOUS PREGNANCIES
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	NUMBER OF PREVIOUS PREGNANCIES											
		NONE		ONE		TWO		THREE		FOUR OR MORE		UNKNOWN	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL AGES	165,169	54,489	33.0	51,104	30.9	31,200	18.9	14,752	8.9	13,096	7.9	528	0.3
UNDER 15	386	360	93.3	22	5.7	3	0.8	0	-	0	-	1	0.3
15-19	17,701	12,113	68.4	4,133	23.3	1,125	6.4	250	1.4	66	0.4	14	0.1
20-24	41,681	16,370	39.3	13,903	33.4	6,879	16.5	2,824	6.8	1,625	3.9	80	0.2
25-29	54,481	16,564	30.4	17,992	33.0	10,882	20.0	4,917	9.0	3,955	7.3	171	0.3
30-34	37,726	7,183	19.0	11,973	31.7	9,193	24.4	4,754	12.6	4,488	11.9	135	0.4
35-39	11,563	1,700	14.7	2,828	24.5	2,814	24.3	1,773	15.3	2,380	20.6	68	0.6
40-44	1,459	163	11.2	237	16.2	285	19.5	215	14.7	545	37.4	14	1.0
45 & OVER	50	2	4.0	6	12.0	4	8.0	10	20.0	28	56.0	0	-
UNKNOWN	122	34	27.9	10	8.2	15	12.3	9	7.4	9	7.4	45	36.9

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.

TABLE B-9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND NUMBER OF PREVIOUS LIVE BIRTHS
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	NUMBER OF PREVIOUS LIVE BIRTHS											
		NONE		ONE		TWO		THREE		FOUR OR MORE		UNKNOWN	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL AGES	165,169	67,454	40.8	55,403	33.5	26,773	16.2	9,436	5.7	5,947	3.6	156	0.1
UNDER 15	386	373	96.6	12	3.1	1	0.3	0	-	0	-	0	-
15-19	17,701	13,660	77.2	3,254	18.4	682	3.9	87	0.5	11	0.1	7	0.0
20-24	41,681	20,222	48.5	13,994	33.6	5,353	12.8	1,563	3.7	518	1.2	31	0.1
25-29	54,481	20,855	38.3	19,871	36.5	9,143	16.8	3,028	5.6	1,548	2.8	36	0.1
30-34	37,726	9,682	25.7	14,289	37.9	8,457	22.4	3,173	8.4	2,101	5.6	24	0.1
35-39	11,563	2,380	20.6	3,648	31.5	2,822	24.4	1,354	11.7	1,348	11.7	11	0.1
40-44	1,459	241	16.5	311	21.3	295	20.2	217	14.9	392	26.9	3	0.2
45 & OVER	50	4	8.0	7	14.0	7	14.0	8	16.0	24	48.0	0	-
UNKNOWN	122	37	30.3	17	13.9	13	10.7	6	4.9	5	4.1	44	36.1

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.

TABLE B-10
RESIDENT LIVE BIRTHS BY AGE AND MARITAL STATUS OF MOTHER
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	MARITAL STATUS					
		MARRIED		UNMARRIED		UNKNOWN	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
ALL AGES	165,169	120,225	72.8	43,699	26.5	1,245	0.8
UNDER 15	386	8	2.1	376	97.4	2	0.5
15-19	17,701	4,152	23.5	13,463	76.1	86	0.5
20-24	41,681	25,570	61.3	15,790	37.9	321	0.8
25-29	54,481	45,306	83.2	8,738	16.0	437	0.8
30-34	37,726	33,554	88.9	3,910	10.4	262	0.7
35-39	11,563	10,317	89.2	1,164	10.1	82	0.7
40-44	1,459	1,248	85.5	198	13.6	13	0.9
45 & OVER	50	44	88.0	6	12.0	0	-
UNKNOWN	122	26	21.3	54	44.3	42	34.4

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.

TABLE B-11
RESIDENT LIVE BIRTHS BY AGE AND EDUCATION OF MOTHER
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	YEARS OF EDUCATION											
		0-8		9-11		12		13-15		16 OR MORE		UNKNOWN	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL AGES	165,169	4,480	2.7	22,561	13.7	77,041	46.6	27,930	16.9	30,841	18.7	2,316	1.4
UNDER 15	386	265	68.7	109	28.2	1	0.3	0	-	0	-	11	2.8
15-19	17,701	975	5.5	9,082	51.3	6,681	37.7	618	3.5	15	0.1	330	1.9
20-24	41,681	1,172	2.8	7,313	17.5	24,146	57.9	6,622	15.9	1,821	4.4	607	1.5
25-29	54,481	967	1.8	3,910	7.2	26,973	49.5	10,889	20.0	11,040	20.3	702	1.3
30-34	37,726	657	1.7	1,592	4.2	14,835	39.3	7,430	19.7	12,804	33.9	408	1.1
35-39	11,563	328	2.8	462	4.0	3,862	33.4	2,127	18.4	4,640	40.1	144	1.2
40-44	1,459	102	7.0	86	5.9	509	34.9	235	16.1	511	35.0	16	1.1
45 & OVER	50	12	24.0	3	6.0	22	44.0	5	10.0	6	12.0	2	4.0
UNKNOWN	122	2	1.6	4	3.3	12	9.8	4	3.3	4	3.3	96	78.7

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.

TABLE B-12
RESIDENT LIVE BIRTHS BY AGE OF MOTHER, PLACE OF DELIVERY AND ATTENDANT AT BIRTH, PENNSYLVANIA, 1988

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	HOSPITAL				NON-HOSPITAL			
		PHYSICIAN	MIDWIFE	OTHER	UNKNOWN	PHYSICIAN	MIDWIFE	OTHER	UNKNOWN
ALL AGES	165,169	159,190	3,340	129	110	650	1,490	206	54
UNDER 15	386	368	14	0	2	1	0	1	0
15-19	17,701	16,988	615	21	16	28	27	6	0
20-24	41,681	40,054	1,022	38	24	150	348	38	7
25-29	54,481	52,809	849	33	40	189	481	66	14
30-34	37,726	36,398	613	19	20	170	423	63	20
35-39	11,563	11,048	207	13	7	82	175	20	11
40-44	1,459	1,367	18	1	0	26	35	10	2
45 & OVER	50	46	0	0	0	2	0	2	0
UNKNOWN	122	112	2	4	1	2	1	0	0

TABLE B-13
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND TYPE OF MEDICAL CONDITION NUMBER AND PERCENT*: PENNSYLVANIA, 1988

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	COMPLICATIONS OF PREGNANCY		CONCURRENT ILLNESSES OR CONDITIONS		COMPLICATIONS OF LABOR OR DELIVERY		BIRTH INJURIES OF CHILD		CONGENITAL ANOMALIES**	
		NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL AGES	165,169	42,615	25.8	10,006	6.1	32,706	19.8	766	0.5	1,317	0.8
UNDER 15	386	103	26.7	17	4.4	91	23.6	1	0.3	5	1.3
15-19	17,701	4,621	26.1	1,093	6.2	3,561	20.1	109	0.6	157	0.9
20-24	41,681	10,453	25.1	2,559	6.1	8,400	20.2	230	0.6	350	0.8
25-29	54,481	13,687	25.1	3,044	5.6	10,859	19.9	241	0.4	421	0.8
30-34	37,726	9,892	26.2	2,287	6.1	7,120	18.9	138	0.4	267	0.7
35-39	11,563	3,372	29.2	852	7.4	2,334	20.2	41	0.4	84	0.7
40-44	1,459	444	30.4	139	9.5	316	21.7	6	0.4	27	1.9
45 & OVER	50	19	38.0	5	10.0	10	20.0	0	-	6	12.0
UNKNOWN	122	24	19.7	10	8.2	15	12.3	0	-	0	-

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.
** SEE TECHNICAL NOTES FOR QUALIFICATIONS ABOUT THE REPORTING OF CONGENITAL ANOMALIES.

NOTE: MORE THAN ONE TYPE OF MEDICAL CONDITION MAY BE REPORTED FOR A LIVE BIRTH.

TABLE B-14A
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY
NUMBER: PENNSYLVANIA, 1988

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	METHOD OF DELIVERY						
		NORMAL DELIVERY	LOW FORCEPS	OTHER FORCEPS	BREECH DELIVERY	ELECTIVE CAESAREAN	OTHER AND UNSPECIFIED CAESAREAN	OTHER AND UNSPECIFIED METHOD
ALL AGES	165,169	108,944	8,725	887	590	17,786	20,264	7,973
UNDER 15	386	279	20	1	1	24	45	16
15-19	17,701	12,784	959	80	42	1,124	2,012	700
20-24	41,681	28,789	2,059	205	125	3,823	4,908	1,772
25-29	54,481	35,164	3,128	301	207	6,114	6,798	2,769
30-34	37,726	24,035	1,950	236	150	4,818	4,575	1,962
35-39	11,563	6,965	535	58	61	1,650	1,662	632
40-44	1,459	849	68	5	4	217	245	71
45 & OVER	50	30	2	1	0	5	12	0
UNKNOWN	122	49	4	0	0	11	7	51

TABLE B-14B
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY
PERCENT*: PENNSYLVANIA, 1988

AGE OF MOTHER (IN YEARS)	TOTAL BIRTHS	METHOD OF DELIVERY						
		NORMAL DELIVERY	LOW FORCEPS	OTHER FORCEPS	BREECH DELIVERY	ELECTIVE CAESAREAN	OTHER AND UNSPECIFIED CAESAREAN	OTHER AND UNSPECIFIED METHOD
ALL AGES	100.0	66.0	5.3	0.5	0.4	10.8	12.3	4.8
UNDER 15	100.0	72.3	5.2	0.3	0.3	6.2	11.7	4.1
15-19	100.0	72.2	5.4	0.5	0.2	6.3	11.4	4.0
20-24	100.0	69.1	4.9	0.5	0.3	9.2	11.8	4.3
25-29	100.0	64.5	5.7	0.6	0.4	11.2	12.5	5.1
30-34	100.0	63.7	5.2	0.6	0.4	12.8	12.1	5.2
35-39	100.0	60.2	4.6	0.5	0.5	14.3	14.4	5.5
40-44	100.0	58.2	4.7	0.3	0.3	14.9	16.8	4.9
45 & OVER	100.0	60.0	4.0	2.0	-	10.0	24.0	-
UNKNOWN	100.0	40.2	3.3	-	-	9.0	5.7	41.8

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AGE GROUP.

NOTE: ROWS MAY NOT TOTAL 100.0 PERCENT DUE TO ROUNDING.

TABLE B-15A
RESIDENT LIVE BIRTHS BY APGAR SCORE AT ONE MINUTE BY RACE AND SEX OF CHILD, PENNSYLVANIA, 1988

APGAR SCORE	TOTAL BIRTHS	WHITE*			ALL OTHER		
		TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
TOTAL	165,169	136,656	70,289	66,367	28,513	14,485	14,028
0-3	3,272	2,259	1,238	1,021	1,013	562	451
4	1,736	1,271	736	535	465	257	208
5	2,678	2,045	1,097	948	633	318	315
6	5,114	4,047	2,147	1,900	1,067	536	531
7	14,332	11,581	5,998	5,583	2,751	1,403	1,348
8	64,689	52,749	27,268	25,481	11,940	5,971	5,969
9	69,933	59,703	30,258	29,445	10,230	5,257	4,973
10	2,232	2,116	1,084	1,032	116	57	59
UNKNOWN	1,183	885	463	422	298	124	174

* UNKNOWN RACE OF CHILD INCLUDED IN THE WHITE CATEGORY.
**UNKNOWN SEX OF CHILD INCLUDED IN THE MALE CATEGORY.

TABLE B-15B
RESIDENT LIVE BIRTHS BY APGAR SCORE AT FIVE MINUTES BY RACE AND SEX OF CHILD, PENNSYLVANIA, 1988

APGAR SCORE	TOTAL BIRTHS	WHITE*			ALL OTHER		
		TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
TOTAL	165,169	136,656	70,289	66,367	28,513	14,485	14,028
0-3	769	509	274	235	260	145	115
4	193	145	70	75	48	26	22
5	440	313	178	135	127	75	52
6	866	624	348	276	242	135	107
7	2,228	1,627	868	759	601	298	303
8	10,592	8,083	4,324	3,759	2,509	1,269	1,240
9	114,775	92,718	47,827	44,891	22,057	11,199	10,858
10	34,193	31,798	15,965	15,833	2,395	1,220	1,175
UNKNOWN	1,113	839	435	404	274	118	156

* UNKNOWN RACE OF CHILD INCLUDED IN THE WHITE CATEGORY.
**UNKNOWN SEX OF CHILD INCLUDED IN THE MALE CATEGORY.

TABLE B-16
NAMES MOST FREQUENTLY GIVEN TO LIVE BIRTHS OCCURRING IN PENNSYLVANIA BY SEX, 1988 AND 1960, AND BY SEX AND RACE, 1988

TOP TEN NAMES
FEMALES, 1988 AND 1960

RANK	1988	1960
1	ASHLEY	MARY
2	AMANDA	SUSAN
3	JESSICA	DONNA
4	NICOLE	KAREN
5	SARAH	PATRICIA
6	JENNIFER	LINDA
7	LAUREN	LISA
8	BRITTANY	DEBORAH
9	SAMANTHA	BARBARA
10	STEPHANIE	KATHLEEN

TOP TEN NAMES
FEMALES BY RACE, 1988

RANK	WHITE	ALL OTHER
1	AMANDA	ASHLEY
2	ASHLEY	BRITTANY
3	JESSICA	TIFFANY
4	SARAH	JASMINE
5	NICOLE	JESSICA
6	LAUREN	NICOLE
7	JENNIFER	DANIELLE
8	SAMANTHA	AMBER
9	STEPHANIE	CHRISTINA
10	BRITTANY	AMANDA

TOP TEN NAMES
MALES, 1988 AND 1960

RANK	1988	1960
1	MICHAEL	JOHN
2	MATTHEW	MICHAEL
3	CHRISTOPHER	DAVID
4	ANDREW	ROBERT
5	JOSHUA	JAMES
6	DAVID	WILLIAM
7	DANIEL	MARK
8	ROBERT	JOSEPH
9	JOHN	THOMAS
10	JAMES	RICHARD

TOP TEN NAMES
MALES BY RACE, 1988

RANK	WHITE	ALL OTHER
1	MICHAEL	MICHAEL
2	MATTHEW	CHRISTOPHER
3	CHRISTOPHER	ANTHONY
4	ANDREW	JAMES
5	JOSHUA	BRANDON
6	DANIEL	ROBERT
7	DAVID	DAVID
8	JOHN	KEVIN
9	ROBERT	JUSTIN
10	RYAN	WILLIAM

TABLE B-17
RESIDENT LIVE BIRTHS BY SEX, RACE AND COUNTY
TOTAL BIRTHS, BIRTH AND GENERAL FERTILITY RATES*: PENNSYLVANIA, 1988

COUNTY	TOTAL BIRTHS	BIRTH RATE	GENERAL FERTILITY RATE	WHITE **			ALL OTHER		
				TOTAL	MALE***	FEMALE	TOTAL	MALE***	FEMALE
ALL COUNTIES	165,169	13.8	60.1	136,656	70,289	66,367	28,513	14,485	14,028
ADAMS	991	13.3	55.6	962	504	458	29	16	13
ALLEGHENY	17,361	12.8	56.9	13,714	7,092	6,622	3,647	1,847	1,800
ARMSTRONG	841	10.8	51.6	826	428	398	15	7	8
BEAVER	2,293	12.1	55.9	2,038	1,058	980	255	125	130
BEDFORD	579	12.1	55.9	578	331	247	1	1	0
BERKS	4,441	13.5	60.3	4,145	2,066	2,079	296	135	161
BLAIR	1,600	12.1	54.0	1,560	783	777	40	22	18
BRADFORD	867	13.4	60.3	855	427	428	12	9	3
BUCKS	7,677	14.1	58.7	7,188	3,758	3,430	489	253	236
BUTLER	1,976	12.9	54.5	1,945	989	956	31	20	11
CAMBRIA	1,826	10.7	49.2	1,742	863	879	84	42	42
CAMERON	85	13.3	66.4	85	50	35	0	0	0
CARBON	675	12.0	57.3	671	329	342	4	2	2
CENTRE	1,411	12.2	43.7	1,304	664	640	107	57	50
CHESTER	5,541	15.1	59.3	4,999	2,543	2,456	542	275	267
CLARION	490	11.7	48.6	484	248	236	6	4	2
CLEARFIELD	1,009	12.4	58.3	1,001	528	473	8	6	2
CLINTON	429	11.3	48.2	425	223	202	4	2	2
COLUMBIA	764	12.5	51.4	759	383	376	5	1	4
CRAWFORD	1,096	12.7	60.8	1,057	535	522	39	16	23
CUMBERLAND	2,221	11.4	46.6	2,130	1,078	1,052	91	44	47
DAUPHIN	3,513	14.6	62.9	2,553	1,290	1,263	960	492	468
DELAWARE	8,137	14.6	64.3	6,610	3,422	3,188	1,527	786	741
ELK	515	14.0	66.7	510	261	249	5	2	3
ERIE	4,008	14.5	59.8	3,568	1,841	1,727	440	226	214
FAYETTE	1,759	11.6	56.5	1,640	889	751	119	66	53
FOREST	51	10.9	55.0	51	33	18	0	0	0
FRANKLIN	1,596	13.3	59.2	1,508	727	781	88	53	35
FULTON	171	11.9	52.7	164	95	69	7	1	6
GREENE	477	12.0	51.8	466	244	222	11	6	5
HUNTINGDON	515	11.9	52.9	506	239	267	9	2	7
INDIANA	1,023	11.1	42.8	1,003	521	482	20	11	9
JEFFERSON	600	12.6	59.3	598	318	280	2	1	1

(CONTINUED)

TABLE B-17
RESIDENT LIVE BIRTHS BY SEX, RACE AND COUNTY
TOTAL BIRTHS, BIRTH AND GENERAL FERTILITY RATES*: PENNSYLVANIA, 1988

COUNTY	TOTAL BIRTHS	BIRTH RATE	GENERAL FERTILITY RATE	WHITE **			ALL OTHER		
				TOTAL	MALE***	FEMALE	TOTAL	MALE***	FEMALE
JUNIATA	285	14.0	66.3	283	140	143	2	1	1
LACKAWANNA	2,721	12.2	56.5	2,647	1,374	1,273	74	39	35
LANCASTER	6,886	16.6	71.1	6,435	3,287	3,148	451	225	226
LAWRENCE	1,123	11.1	53.6	1,047	554	493	76	34	42
LEBANON	1,481	13.0	56.0	1,449	763	686	32	17	15
LEHIGH	3,882	13.4	56.9	3,588	1,859	1,729	294	154	140
LUZERNE	3,824	11.5	54.6	3,725	1,917	1,808	99	52	47
LYCOMING	1,626	13.7	60.9	1,548	795	753	78	38	40
MCKEAN	529	11.5	56.5	522	258	264	7	4	3
MERCER	1,495	12.2	56.2	1,351	699	652	144	71	73
MIFFLIN	642	13.7	61.4	636	320	316	6	1	5
MONROE	1,266	13.5	57.7	1,203	609	594	63	36	27
MONTGOMERY	9,647	14.0	61.2	8,665	4,416	4,249	982	495	487
MONTOUR	279	16.9	75.8	270	126	144	9	4	5
NORTHAMPTON	3,173	13.0	59.8	2,993	1,538	1,455	180	79	101
NORTHUMBERLAND	1,176	12.0	57.7	1,168	625	543	8	4	4
PERRY	576	14.1	59.6	570	300	270	6	4	2
PHILADELPHIA	28,940	17.6	73.7	12,650	6,510	6,140	16,290	8,264	8,026
PIKE	334	12.5	56.2	331	160	171	3	0	3
POTTER	234	13.0	64.1	234	133	101	0	0	0
SCHUYLKILL	1,745	11.3	56.0	1,733	904	829	12	7	5
SNYDER	529	14.5	60.9	527	266	261	2	2	0
SOMERSET	993	12.3	57.8	990	493	497	3	0	3
SULLIVAN	52	8.1	36.3	51	30	21	1	0	1
SUSQUEHANNA	564	13.8	65.1	563	302	261	1	0	1
TIOGA	493	12.2	53.6	486	258	228	7	3	4
UNION	456	13.1	55.3	454	236	218	2	2	0
VENANGO	731	12.0	54.8	719	393	326	12	5	7
WARREN	582	12.8	60.5	577	311	266	5	4	1
WASHINGTON	2,353	11.3	52.6	2,202	1,131	1,071	151	78	73
WAYNE	514	12.7	59.4	511	271	240	3	0	3
WESTMORELAND	4,375	11.6	51.3	4,172	2,119	2,053	203	105	98
WYOMING	349	12.3	53.8	345	159	186	4	2	2
YORK	4,776	14.2	59.6	4,366	2,273	2,093	410	225	185

---

* BIRTH RATE PER 1,000 POPULATION FOR EACH SPECIFIED COUNTY.
GENERAL FERTILITY RATE: NUMBER OF TOTAL LIVE BIRTHS PER 1,000 FEMALES OF CHILDBEARING AGE (BETWEEN THE AGES OF 15 AND 44 YEARS).

** UNKNOWN RACE OF CHILD INCLUDED IN THE WHITE CATEGORY.

***UNKNOWN SEX OF CHILD INCLUDED IN THE MALE CATEGORY.

TABLE B-18
RESIDENT LIVE BIRTHS BY SEX, RACE AND COUNTY
NUMBER AND RATE: PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988

COUNTY	TOTAL BIRTHS 1984-88	BIRTH RATE*	WHITE **			ALL OTHER		
			TOTAL	MALE***	FEMALE	TOTAL	MALE***	FEMALE
ALL COUNTIES	804,653	13.5	676,336	347,609	328,727	128,317	65,229	63,088
ADAMS	5,014	14.0	4,857	2,482	2,375	157	80	77
ALLEGHENY	87,953	12.8	70,677	36,070	34,607	17,276	8,843	8,433
ARMSTRONG	4,744	12.1	4,664	2,384	2,280	80	39	41
BEAVER	11,490	11.9	10,260	5,253	5,007	1,230	621	609
BEDFORD	2,826	11.8	2,816	1,398	1,418	10	9	1
BERKS	21,222	13.2	19,882	10,181	9,701	1,340	681	659
BLAIR	8,241	12.4	8,090	4,204	3,886	151	80	71
BRADFORD	4,452	13.9	4,410	2,250	2,160	42	24	18
BUCKS	36,812	14.1	34,787	18,004	16,783	2,025	1,034	991
BUTLER	10,076	13.3	9,965	5,159	4,806	111	59	52
CAMBRIA	9,630	11.1	9,299	4,780	4,519	331	172	159
CAMERON	477	14.7	471	249	222	6	3	3
CARBON	3,059	11.2	3,033	1,552	1,481	26	15	11
CENTRE	6,839	11.9	6,393	3,262	3,131	446	228	218
CHESTER	25,723	14.9	23,192	11,928	11,264	2,531	1,278	1,253
CLARION	2,603	12.3	2,563	1,304	1,259	40	23	17
CLEARFIELD	5,397	13.1	5,356	2,806	2,550	41	25	16
CLINTON	2,280	12.0	2,258	1,180	1,078	22	16	6
COLUMBIA	3,610	11.8	3,579	1,823	1,756	31	17	14
CRAWFORD	5,838	13.4	5,669	2,945	2,724	169	80	89
CUMBERLAND	10,847	11.4	10,389	5,316	5,073	458	222	236
DAUPHIN	17,035	14.3	12,625	6,403	6,222	4,410	2,192	2,218
DELAWARE	39,834	14.3	33,128	17,026	16,102	6,706	3,336	3,370
ELK	2,580	13.8	2,566	1,315	1,251	14	8	6
ERIE	20,252	14.5	18,192	9,364	8,828	2,060	1,035	1,025
FAYETTE	9,257	11.9	8,711	4,562	4,149	546	287	259
FOREST	259	10.8	253	141	112	6	4	2
FRANKLIN	7,637	12.9	7,293	3,687	3,606	344	167	177
FULTON	924	13.2	900	452	448	24	10	14
GREENE	2,522	12.4	2,484	1,241	1,243	38	25	13
HUNTINGDON	2,712	12.7	2,656	1,337	1,319	56	30	26
INDIANA	5,459	11.8	5,368	2,738	2,630	91	46	45
JEFFERSON	3,144	13.0	3,133	1,617	1,516	11	6	5

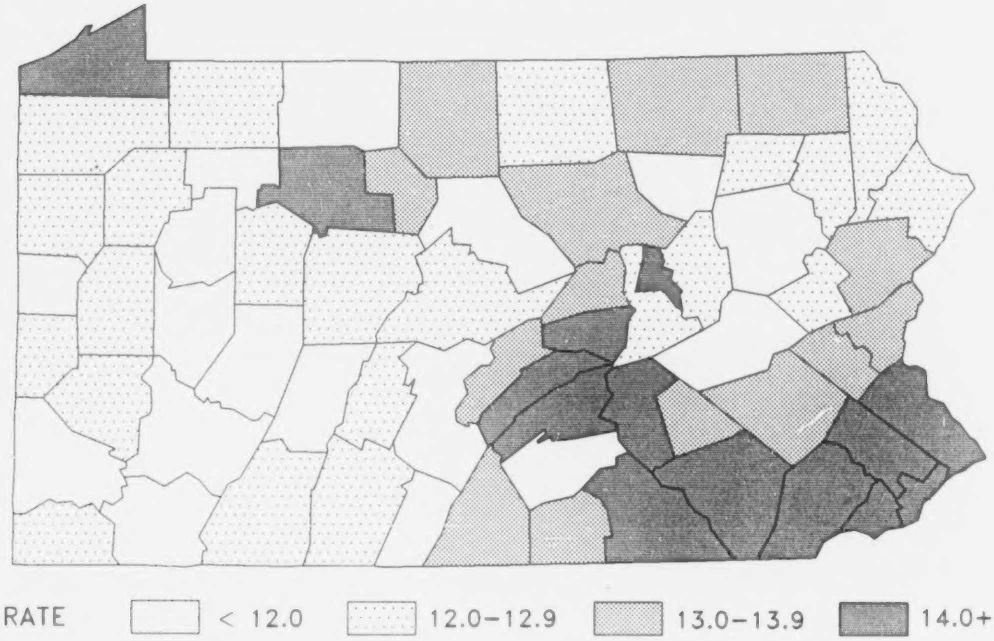
(CONTINUED)

TABLE B-18
RESIDENT LIVE BIRTHS BY SEX, RACE AND COUNTY
NUMBER AND RATE: PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988

COUNTY	TOTAL BIRTHS 1984-88	BIRTH RATE*	WHITE **			ALL OTHER		
			TOTAL	MALE***	FEMALE	TOTAL	MALE***	FEMALE
JUNIATA	1,380	13.8	1,371	677	694	9	5	4
LACKAWANNA	13,398	12.0	13,045	6,729	6,316	353	184	169
LANCASTER	31,448	15.9	29,652	15,239	14,413	1,796	918	878
LAWRENCE	5,931	11.6	5,584	2,860	2,724	347	173	174
LEBANON	7,253	12.9	7,096	3,715	3,381	157	83	74
LEHIGH	18,409	13.0	17,237	8,830	8,407	1,172	641	531
LUZERNE	18,674	11.2	18,330	9,475	8,855	344	186	158
LYCOMING	8,086	13.8	7,770	3,967	3,803	316	179	137
MCKEAN	2,998	12.6	2,963	1,523	1,440	35	20	15
MERCER	7,210	11.6	6,558	3,374	3,184	652	316	336
MIFFLIN	3,198	13.8	3,169	1,632	1,537	29	14	15
MONROE	5,146	12.3	4,966	2,553	2,413	180	94	86
MONTGOMERY	45,431	13.5	40,951	21,096	19,855	4,480	2,258	2,222
MONTOUR	1,235	14.8	1,212	578	634	23	12	11
NORTHAMPTON	14,281	12.1	13,513	6,918	6,595	768	388	380
NORTHUMBERLAND	5,935	12.0	5,889	3,015	2,874	46	25	21
PERRY	2,746	14.1	2,719	1,442	1,277	27	19	8
PHILADELPHIA	137,191	16.7	64,028	33,015	31,013	73,163	37,144	36,019
PIKE	1,337	11.6	1,326	684	642	11	5	6
POTTER	1,318	14.5	1,312	696	616	6	3	3
SCHUYLKILL	8,641	11.1	8,548	4,394	4,154	93	53	40
SNYDER	2,541	14.2	2,525	1,291	1,234	16	12	4
SOMERSET	4,974	12.3	4,961	2,489	2,472	13	5	8
SULLIVAN	306	9.7	301	155	146	5	2	3
SUSQUEHANNA	2,763	13.9	2,744	1,447	1,297	19	11	8
TIOGA	2,535	12.5	2,504	1,295	1,209	31	15	16
UNION	2,198	12.7	2,181	1,119	1,062	17	11	6
VENANGO	3,948	12.7	3,893	2,025	1,868	55	26	29
WARREN	3,094	13.4	3,072	1,592	1,480	22	15	7
WASHINGTON	11,928	11.2	11,251	5,813	5,438	677	366	311
WAYNE	2,449	12.6	2,433	1,261	1,172	16	7	9
WESTMORELAND	21,774	11.4	20,916	10,688	10,228	858	424	434
WYOMING	1,878	13.5	1,867	948	919	11	8	3
YORK	22,271	13.6	20,530	10,661	9,869	1,741	912	829

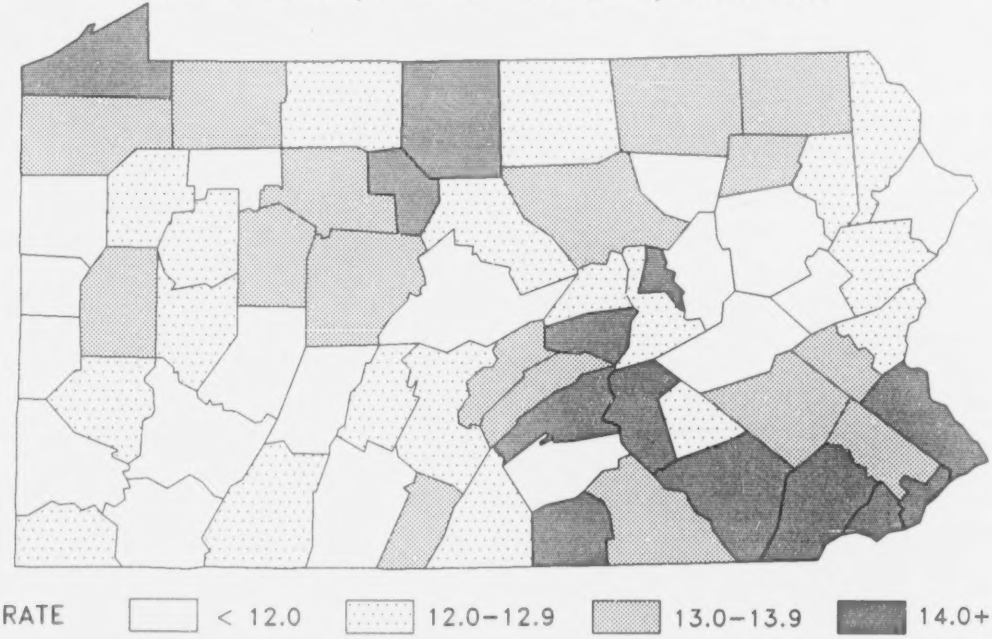
* BIRTH RATE PER 1,000 POPULATION FOR EACH SPECIFIED COUNTY, 1984-1988.
** UNKNOWN RACE OF CHILD INCLUDED IN THE WHITE CATEGORY.
***UNKNOWN SEX OF CHILD INCLUDED IN THE MALE CATEGORY.

FIGURE B-5
RESIDENT BIRTH RATES BY COUNTY
PENNSYLVANIA, 1988


RATE
< 12.0
12.0-12.9
13.0-13.9
14.0+

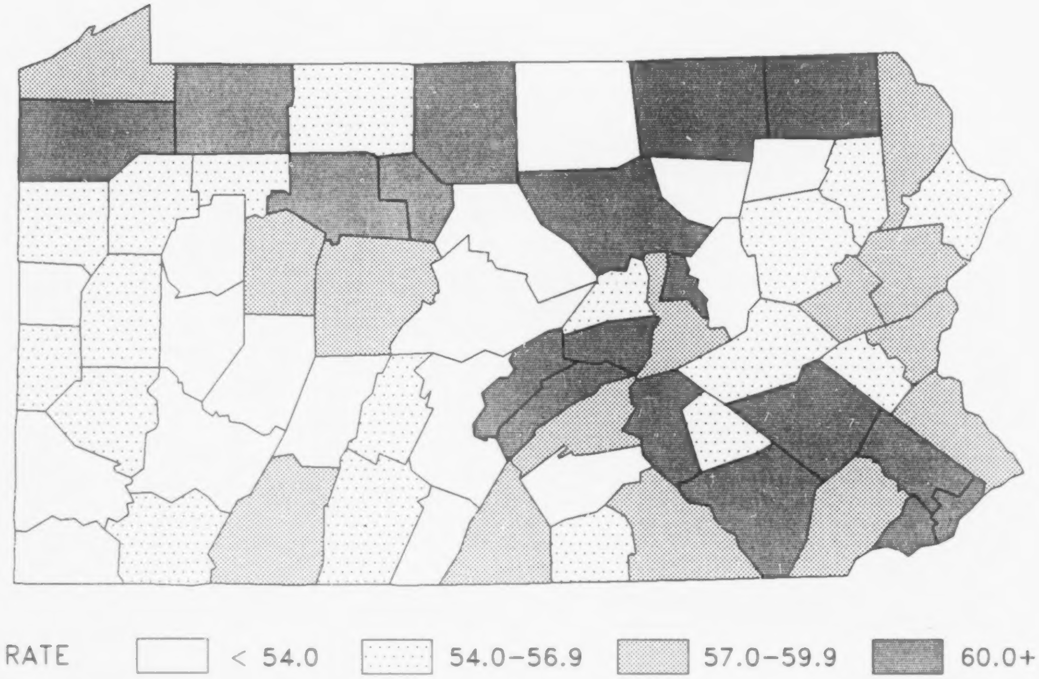
NOTE: RATE PER 1,000 POPULATION, 1988. SEE TABLE B-17 FOR COUNTY RATES.

FIGURE B-6
RESIDENT BIRTH RATES BY COUNTY
PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988


RATE
< 12.0
12.0-12.9
13.0-13.9
14.0+

NOTE: RATE PER 1,000 POPULATION, 1984-1988. SEE TABLE B-18 FOR COUNTY RATES.

FIGURE B-7
GENERAL FERTILITY RATES BY COUNTY
PENNSYLVANIA RESIDENTS, 1988


RATE
< 54.0
54.0-56.9
57.0-59.9
60.0+

NOTE: GENERAL FERTILITY RATE IS THE NUMBER OF LIVE BIRTHS PER 1,000 FEMALES BETWEEN THE AGES OF 15 AND 44 YEARS. SEE TABLE B-17 FOR COUNTY RATES.

TABLE B-19
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND COUNTY
PENNSYLVANIA, 1988

		AGE OF MOTHER (IN YEARS)								
COUNTY	TOTAL BIRTHS	UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & OVER	UNKNOWN
ALL COUNTIES	165,169	386	17,701	41,681	54,481	37,726	11,563	1,459	50	122
ADAMS	991	2	111	303	329	194	44	6	1	1
ALLEGHENY	17,361	36	1,516	3,510	5,907	4,757	1,473	140	5	17
ARMSTRONG	841	1	96	270	279	148	41	5	1	0
BEAVER	2,293	4	217	564	810	540	142	14	1	1
BEDFORD	579	0	63	189	194	100	31	2	0	0
BERKS	4,441	16	423	1,202	1,525	954	291	27	1	2
BLAIR	1,600	1	237	470	488	295	98	10	1	0
BRADFORD	867	2	121	280	282	136	42	4	0	0
BUCKS	7,677	2	440	1,497	2,742	2,218	686	81	1	10
BUTLER	1,976	1	146	452	702	509	148	17	1	0
CAMBRIA	1,826	1	229	479	572	426	108	11	0	0
CAMERON	85	0	8	29	30	13	4	1	0	0
CARBON	675	0	91	195	217	130	39	3	0	0
CENTRE	1,411	2	105	387	495	315	92	15	0	0
CHESTER	5,541	9	332	924	1,851	1,742	610	70	3	0
CLARION	490	0	61	154	155	88	29	3	0	0
CLEARFIELD	1,009	2	138	374	302	136	50	5	2	0
CLINTON	429	0	46	144	140	64	30	5	0	0
COLUMBIA	764	0	72	221	283	145	39	4	0	0
CRAWFORD	1,096	1	116	333	351	212	77	6	0	0
CUMBERLAND	2,221	2	137	517	817	552	175	20	0	1
DAUPHIN	3,513	17	433	932	1,119	737	245	25	2	3
DELAWARE	8,137	18	598	1,519	2,914	2,289	707	86	1	5
ELK	515	0	47	158	191	92	27	0	0	0
ERIE	4,008	6	499	1,052	1,277	874	266	32	1	1
FAYETTE	1,759	4	287	538	550	274	96	10	0	0
FOREST	51	0	9	9	15	15	2	1	0	0
FRANKLIN	1,596	4	168	575	481	265	89	12	1	1
FULTON	171	0	28	64	48	22	7	1	0	1
GREENE	477	1	63	175	130	88	17	3	0	0
HUNTINGDON	515	2	72	177	158	80	24	2	0	0
INDIANA	1,023	0	102	299	338	212	62	10	0	0
JEFFERSON	600	1	81	202	189	100	25	2	0	0

(CONTINUED)

TABLE B-19
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND COUNTY
PENNSYLVANIA, 1988

COUNTY	TOTAL BIRTHS	AGE OF MOTHER (IN YEARS)								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & OVER	UNKNOWN
JUNIATA -	285	0	33	94	102	38	11	7	0	0
LACKAWANNA	2,721	0	222	662	930	659	219	28	1	0
LANCASTER	6,886	16	616	1,902	2,367	1,471	432	74	6	2
LAWRENCE	1,123	2	127	309	359	249	62	14	1	0
LEBANON	1,481	1	194	404	496	279	97	8	2	0
LEHIGH	3,882	6	347	898	1,390	952	256	30	1	2
LUZERNE	3,824	6	421	1,025	1,184	836	303	45	4	0
LYCOMING	1,626	5	203	545	512	254	93	14	0	0
MCKEAN	529	0	99	160	152	105	11	2	0	0
MERCER	1,495	1	177	408	501	315	80	12	1	0
MIFFLIN	642	1	92	197	197	111	34	10	0	0
MONROE	1,266	1	92	284	445	324	107	10	0	3
MONTGOMERY	9,647	4	443	1,582	3,473	3,017	993	129	2	4
MONTOUR	279	1	25	69	104	56	24	0	0	0
NORTHAMPTON	3,173	3	278	752	1,089	822	208	19	0	2
NORTHUMBERLAND	1,176	2	170	344	376	215	54	14	0	1
PERRY	576	0	74	178	187	111	21	4	1	0
PHILADELPHIA	28,940	177	4,980	8,391	8,356	5,083	1,628	259	6	60
PIKE	334	0	18	87	122	74	22	7	0	4
POTTER	234	0	35	70	80	34	14	1	0	0
SCHUYLKILL	1,745	0	225	556	546	312	97	9	0	0
SNYDER	529	1	66	191	161	81	27	2	0	0
SOMERSET	993	0	119	294	314	193	65	8	0	0
SULLIVAN	52	0	6	14	19	12	1	0	0	0
SUSQUEHANNA	564	0	60	168	205	99	28	4	0	0
TIOGA	493	2	76	170	147	83	12	2	0	1
UNION	456	1	49	123	141	100	32	9	1	0
VENANGO	731	2	75	219	222	150	58	5	0	0
WARREN	582	0	57	177	206	95	36	11	0	0
WASHINGTON	2,353	3	219	568	791	603	150	19	0	0
WAYNE	514	0	41	146	167	109	42	9	0	0
WESTMORELAND	4,375	4	399	1,022	1,500	1,130	284	35	1	0
WYOMING	349	1	57	100	117	61	13	0	0	0
YORK	4,776	11	514	1,378	1,642	971	233	26	1	0

TABLE B-20
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

		BIRTH WEIGHT											
		0-1499 GRAMS		1500-2499 GRAMS		2500-3499 GRAMS		3500-4499 GRAMS		4500 GRAMS AND OVER		UNKNOWN WEIGHT	
COUNTY	TOTAL BIRTHS	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL COUNTIES	165,169	2,227	1.3	9,190	5.6	86,838	52.6	63,749	38.6	3,036	1.8	129	0.1
ADAMS	991	11	1.1	44	4.4	491	49.5	433	43.7	12	1.2	0	-
ALLEGHENY	17,361	268	1.5	984	5.7	9,164	52.8	6,626	38.2	280	1.6	39	0.2
ARMSTRONG	841	11	1.3	41	4.9	442	52.6	333	39.6	14	1.7	0	-
BEAVER	2,293	31	1.4	110	4.8	1,199	52.3	907	39.6	44	1.9	2	0.1
BEDFORD	579	8	1.4	21	3.6	303	52.3	235	40.6	12	2.1	0	-
BERKS	4,441	49	1.1	192	4.3	2,239	50.4	1,870	42.1	90	2.0	1	0.0
BLAIR	1,600	15	0.9	80	5.0	813	50.8	662	41.4	30	1.9	0	-
BRADFORD	867	7	0.8	43	5.0	431	49.7	364	42.0	22	2.5	0	-
BUCKS	7,677	84	1.1	344	4.5	3,781	49.3	3,297	42.9	159	2.1	12	0.2
BUTLER	1,976	16	0.8	83	4.2	974	49.3	857	43.4	43	2.2	3	0.2
CAMBRIA	1,826	15	0.8	89	4.9	990	54.2	705	38.6	26	1.4	1	0.1
CAMERON	85	4	4.7	5	5.9	44	51.8	30	35.3	2	2.4	0	-
CARBON	675	2	0.3	44	6.5	352	52.1	266	39.4	11	1.6	0	-
CENTRE	1,411	10	0.7	60	4.3	734	52.0	581	41.2	26	1.8	0	-
CHESTER	5,541	46	0.8	211	3.8	2,682	48.4	2,481	44.8	118	2.1	3	0.1
CLARION	490	5	1.0	23	4.7	279	56.9	174	35.5	8	1.6	1	0.2
CLEARFIELD	1,009	11	1.1	64	6.3	558	55.3	366	36.3	10	1.0	0	-
CLINTON	429	3	0.7	25	5.8	234	54.5	157	36.6	10	2.3	0	-
COLUMBIA	764	6	0.8	30	3.9	399	52.2	308	40.3	21	2.7	0	-
CRAWFORD	1,096	11	1.0	42	3.8	567	51.7	445	40.6	31	2.8	0	-
CUMBERLAND	2,221	15	0.7	122	5.5	1,122	50.5	908	40.9	54	2.4	0	-
DAUPHIN	3,513	46	1.3	195	5.6	1,835	52.2	1,365	38.9	71	2.0	1	0.0
DELAWARE	8,137	109	1.3	401	4.9	4,173	51.3	3,271	40.2	181	2.2	2	0.0
ELK	515	4	0.8	27	5.2	270	52.4	208	40.6	5	1.0	0	-
ERIE	4,008	51	1.3	196	4.9	2,039	50.9	1,622	40.5	99	2.5	1	0.0
FAYETTE	1,759	28	1.6	97	5.5	928	52.8	683	38.8	23	1.3	0	-
FOREST	51	0	-	2	3.9	25	49.0	22	43.1	2	3.9	0	-
FRANKLIN	1,596	13	0.8	44	2.8	836	52.4	675	42.3	27	1.7	1	0.1
FULTON	171	5	2.9	9	5.3	85	49.7	69	40.4	3	1.8	0	-
GREENE	477	4	0.8	30	6.3	235	49.3	193	40.5	15	3.1	0	-
HUNTINGDON	515	5	1.0	26	5.0	244	47.4	232	45.0	8	1.6	0	-
INDIANA	1,023	14	1.4	40	3.9	524	51.2	426	41.6	18	1.8	1	0.1
JEFFERSON	600	5	0.8	27	4.5	336	56.0	225	37.5	7	1.2	0	-

(CONTINUED)

TABLE B-20
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

		BIRTH WEIGHT											
		0-1499 GRAMS		1500-2499 GRAMS		2500-3499 GRAMS		3500-4499 GRAMS		4500 GRAMS AND OVER		UNKNOWN WEIGHT	
COUNTY	TOTAL BIRTHS	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
JUNIATA	285	1	0.4	11	3.9	151	53.0	115	40.4	7	2.5	0	-
LACKAWANNA	2,721	26	1.0	154	5.7	1,471	54.1	1,018	37.4	51	1.9	1	0.0
LANCASTER	6,886	73	1.1	279	4.1	3,452	50.1	2,914	42.3	163	2.4	5	0.1
LAWRENCE	1,123	14	1.2	70	6.2	571	50.8	451	40.2	16	1.4	1	0.1
LEBANON	1,481	16	1.1	55	3.7	755	51.0	620	41.9	34	2.3	1	0.1
LEHIGH	3,882	48	1.2	185	4.8	2,013	51.9	1,549	39.9	84	2.2	3	0.1
LUZERNE	3,824	36	0.9	177	4.6	2,012	52.6	1,526	39.9	73	1.9	0	-
LYCOMING	1,626	16	1.0	76	4.7	805	49.5	698	42.9	31	1.9	0	-
MCKEAN	529	4	0.8	27	5.1	264	49.9	224	42.3	10	1.9	0	-
MERCER	1,495	19	1.3	71	4.7	762	51.0	623	41.7	18	1.2	2	0.1
MIFFLIN	642	11	1.7	25	3.9	314	48.9	278	43.3	14	2.2	0	-
MONROE	1,266	14	1.1	57	4.5	643	50.8	528	41.7	21	1.7	3	0.2
MONTGOMERY	9,647	83	0.9	378	3.9	4,821	50.0	4,141	42.9	220	2.3	4	0.0
MONTOUR	279	4	1.4	15	5.4	129	46.2	127	45.5	4	1.4	0	-
NORTHAMPTON	3,173	33	1.0	155	4.9	1,631	51.4	1,295	40.8	57	1.8	2	0.1
NORTHUMBERLAND	1,176	7	0.6	68	5.8	613	52.1	468	39.8	20	1.7	0	-
PERRY	576	4	0.7	23	4.0	288	50.0	247	42.9	13	2.3	1	0.2
PHILADELPHIA	28,940	718	2.5	2,676	9.2	16,953	58.6	8,229	28.4	340	1.2	24	0.1
PIKE	334	2	0.6	14	4.2	139	41.6	166	49.7	9	2.7	4	1.2
POTTER	234	0	-	10	4.3	122	52.1	94	40.2	8	3.4	0	-
SCHUYLKILL	1,745	15	0.9	95	5.4	944	54.1	653	37.4	38	2.2	0	-
SNYDER	529	3	0.6	23	4.3	252	47.6	234	44.2	17	3.2	0	-
SOMERSET	993	14	1.4	45	4.5	522	52.6	397	40.0	15	1.5	0	-
SULLIVAN	52	1	1.9	2	3.8	28	53.8	21	40.4	0	-	0	-
SUSQUEHANNA	564	5	0.9	28	5.0	272	48.2	241	42.7	17	3.0	1	0.2
TIOGA	493	3	0.6	26	5.3	257	52.1	193	39.1	12	2.4	2	0.4
UNION	456	4	0.9	24	5.3	211	46.3	206	45.2	11	2.4	0	-
VENANGO	731	6	0.8	30	4.1	391	53.5	292	39.9	12	1.6	0	-
WARREN	582	5	0.9	28	4.8	298	51.2	243	41.8	8	1.4	0	-
WASHINGTON	2,353	29	1.2	121	5.1	1,193	50.7	966	41.1	42	1.8	2	0.1
WAYNE	514	4	0.8	26	5.1	270	52.5	201	39.1	13	2.5	0	-
WESTMORELAND	4,375	43	1.0	231	5.3	2,296	52.5	1,735	39.7	65	1.5	5	0.1
WYOMING	349	2	0.6	20	5.7	181	51.9	140	40.1	6	1.7	0	-
YORK	4,776	52	1.1	214	4.5	2,486	52.1	1,919	40.2	105	2.2	0	-

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED COUNTY.

NOTE: LOW BIRTH WEIGHT IS DEFINED AS 2499 GRAMS AND LESS.

TABLE B-21
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988

		BIRTH WEIGHT											
	TOTAL BIRTHS	0-1499 GRAMS		1500-2499 GRAMS		2500-3499 GRAMS		3500-4499 GRAMS		4500 GRAMS AND OVER		UNKNOWN WEIGHT	
COUNTY	1984-88	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL COUNTIES	804,653	10,385	1.3	44,429	5.5	420,988	52.3	313,188	38.9	15,115	1.9	548	0.1
ADAMS	5,014	39	0.8	242	4.8	2,593	51.7	2,048	40.8	91	1.8	1	0.0
ALLEGHENY	87,953	1,321	1.5	4,937	5.6	45,981	52.3	34,042	38.7	1,530	1.7	142	0.2
ARMSTRONG	4,744	44	0.9	252	5.3	2,477	52.2	1,884	39.7	84	1.8	3	0.1
BEAVER	11,490	135	1.2	592	5.2	6,010	52.3	4,527	39.4	222	1.9	4	0.0
BEDFORD	2,826	31	1.1	128	4.5	1,489	52.7	1,113	39.4	65	2.3	0	-
BERKS	21,222	247	1.2	960	4.5	10,712	50.5	8,868	41.8	427	2.0	8	0.0
BLAIR	8,241	106	1.3	414	5.0	4,272	51.8	3,274	39.7	174	2.1	1	0.0
BRADFORD	4,452	39	0.9	216	4.9	2,179	48.9	1,914	43.0	104	2.3	0	-
BUCKS	36,812	315	0.9	1,662	4.5	18,308	49.7	15,705	42.7	783	2.1	39	0.1
BUTLER	10,076	90	0.9	439	4.4	5,031	49.9	4,297	42.6	210	2.1	9	0.1
CAMBRIA	9,630	88	0.9	510	5.3	5,147	53.4	3,720	38.6	163	1.7	2	0.0
CAMERON	477	10	2.1	20	4.2	232	48.6	206	43.2	9	1.9	0	-
CARBON	3,059	25	0.8	173	5.7	1,633	53.4	1,161	38.0	64	2.1	3	0.1
CENTRE	6,839	56	0.8	304	4.4	3,552	51.9	2,789	40.8	134	2.0	4	0.1
CHESTER	25,723	238	0.9	1,051	4.1	12,524	48.7	11,290	43.9	600	2.3	20	0.1
CLARION	2,603	22	0.8	111	4.3	1,330	51.1	1,089	41.8	46	1.8	5	0.2
CLEARFIELD	5,397	62	1.1	342	6.3	2,889	53.5	2,025	37.5	79	1.5	0	-
CLINTON	2,280	22	1.0	130	5.7	1,192	52.3	890	39.0	45	2.0	1	0.0
COLUMBIA	3,610	28	0.8	167	4.6	1,891	52.4	1,455	40.3	67	1.9	2	0.1
CRAWFORD	5,838	56	1.0	259	4.4	2,938	50.3	2,434	41.7	143	2.4	6	0.1
CUMBERLAND	10,847	110	1.0	487	4.5	5,424	50.0	4,549	41.9	276	2.5	1	0.0
DAUPHIN	17,035	239	1.4	927	5.4	8,991	52.8	6,560	38.5	315	1.8	3	0.0
DELAWARE	39,834	466	1.2	2,015	5.1	19,975	50.1	16,503	41.4	867	2.2	8	0.0
ELK	2,580	27	1.0	114	4.4	1,330	51.6	1,064	41.2	44	1.7	1	0.0
ERIE	20,252	231	1.1	1,094	5.4	10,388	51.3	8,078	39.9	455	2.2	6	0.0
FAYETTE	9,257	96	1.0	503	5.4	4,952	53.5	3,554	38.4	150	1.6	2	0.0
FOREST	259	3	1.2	9	3.5	127	49.0	111	42.9	9	3.5	0	-
FRANKLIN	7,637	53	0.7	299	3.9	3,745	49.0	3,368	44.1	167	2.2	5	0.1
FULTON	924	9	1.0	34	3.7	479	51.8	385	41.7	17	1.8	0	-
GREENE	2,522	22	0.9	131	5.2	1,278	50.7	1,024	40.6	66	2.6	1	0.0
HUNTINGDON	2,712	18	0.7	125	4.6	1,417	52.2	1,107	40.8	45	1.7	0	-
INDIANA	5,459	67	1.2	244	4.5	2,837	52.0	2,220	40.7	88	1.6	3	0.1
JEFFERSON	3,144	25	0.8	179	5.7	1,687	53.7	1,207	38.4	45	1.4	1	0.0

(CONTINUED)

TABLE B-21
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988

		BIRTH WEIGHT											
		0-1499 GRAMS		1500-2499 GRAMS		2500-3499 GRAMS		3500-4499 GRAMS		4500 GRAMS AND OVER		UNKNOWN WEIGHT	
COUNTY	TOTAL BIRTHS 1984-88	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
JUNIATA	1,380	7	0.5	59	4.3	699	50.7	587	42.5	28	2.0	0	-
LACKAWANNA	13,398	133	1.0	762	5.7	7,188	53.6	5,062	37.8	248	1.9	5	0.0
LANCASTER	31,448	284	0.9	1,314	4.2	15,387	48.9	13,633	43.4	808	2.6	22	0.1
LAWRENCE	5,931	60	1.0	322	5.4	3,096	52.2	2,344	39.5	108	1.8	1	0.0
LEBANON	7,253	67	0.9	305	4.2	3,639	50.2	3,085	42.5	153	2.1	4	0.1
LEHIGH	18,409	219	1.2	926	5.0	9,460	51.4	7,422	40.3	375	2.0	7	0.0
LUZERNE	18,674	194	1.0	909	4.9	9,704	52.0	7,518	40.3	346	1.9	3	0.0
LYCOMING	8,086	73	0.9	382	4.7	4,132	51.1	3,341	41.3	158	2.0	0	-
MCKEAN	2,998	26	0.9	159	5.3	1,522	50.8	1,217	40.6	66	2.2	8	0.3
MERCER	7,210	59	0.8	374	5.2	3,774	52.3	2,866	39.8	129	1.8	8	0.1
MIFFLIN	3,198	26	0.8	135	4.2	1,544	48.3	1,407	44.0	84	2.6	2	0.1
MONROE	5,146	40	0.8	247	4.8	2,617	50.9	2,121	41.2	105	2.0	16	0.3
MONTGOMERY	45,431	463	1.0	1,954	4.3	22,617	49.8	19,392	42.7	986	2.2	19	0.0
MONTOUR	1,235	7	0.6	60	4.9	630	51.0	525	42.5	13	1.1	0	-
NORTHAMPTON	14,281	153	1.1	732	5.1	7,291	51.1	5,824	40.8	269	1.9	12	0.1
NORTHUMBERLAND	5,935	50	0.8	290	4.9	3,176	53.5	2,320	39.1	96	1.6	3	0.1
PERRY	2,746	20	0.7	129	4.7	1,375	50.1	1,165	42.4	56	2.0	1	0.0
PHILADELPHIA	137,191	3,153	2.3	11,681	8.5	80.032	58.3	40,595	29.6	1,637	1.2	93	0.1
PIKE	1,337	11	0.8	60	4.5	631	47.2	594	44.4	27	2.0	14	1.0
POTTER	1,318	9	0.7	57	4.3	676	51.3	542	41.1	33	2.5	1	0.1
SCHUYLKILL	8,641	82	0.9	457	5.3	4,604	53.3	3,345	38.7	152	1.8	1	0.0
SNYDER	2,541	21	0.8	121	4.8	1,265	49.8	1,077	42.4	54	2.1	3	0.1
SOMERSET	4,974	66	1.3	266	5.3	2,686	54.0	1,877	37.7	79	1.6	0	-
SULLIVAN	306	4	1.3	7	2.3	156	51.0	130	42.5	9	2.9	0	-
SUSQUEHANNA	2,763	30	1.1	138	5.0	1,375	49.8	1,155	41.8	62	2.2	3	0.1
TIOGA	2,535	23	0.9	144	5.7	1,275	50.3	1,019	40.2	69	2.7	5	0.2
UNION	2,198	23	1.0	99	4.5	1,066	48.5	950	43.2	59	2.7	1	0.0
VENANGO	3,948	35	0.9	185	4.7	1,968	49.8	1,663	42.1	97	2.5	0	-
WARREN	3,094	30	1.0	157	5.1	1,574	50.9	1,271	41.1	60	1.9	2	0.1
WASHINGTON	11,928	138	1.2	571	4.8	6,071	50.9	4,932	41.3	211	1.8	5	0.0
WAYNE	2,449	20	0.8	103	4.2	1,200	49.0	1,058	43.2	68	2.8	0	-
WESTMORELAND	21,774	231	1.1	1,083	5.0	11,178	51.3	8,873	40.8	328	1.8	15	0.1
WYOMING	1,878	25	1.3	94	5.0	988	52.6	728	38.8	42	2.2	1	0.1
YORK	22,271	261	1.2	1,077	4.8	11,382	51.1	9,083	40.8	456	2.0	12	0.1

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED COUNTY.

NOTE: VERY LOW BIRTH WEIGHT IS DEFINED AS 1499 GRAMS AND LESS.
LOW BIRTH WEIGHT IS DEFINED AS 2499 GRAMS AND LESS.

FIGURE B-8
RESIDENT LIVE BIRTHS, PERCENT WITH VERY LOW AND LOW BIRTH WEIGHT
BY COUNTY, PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988

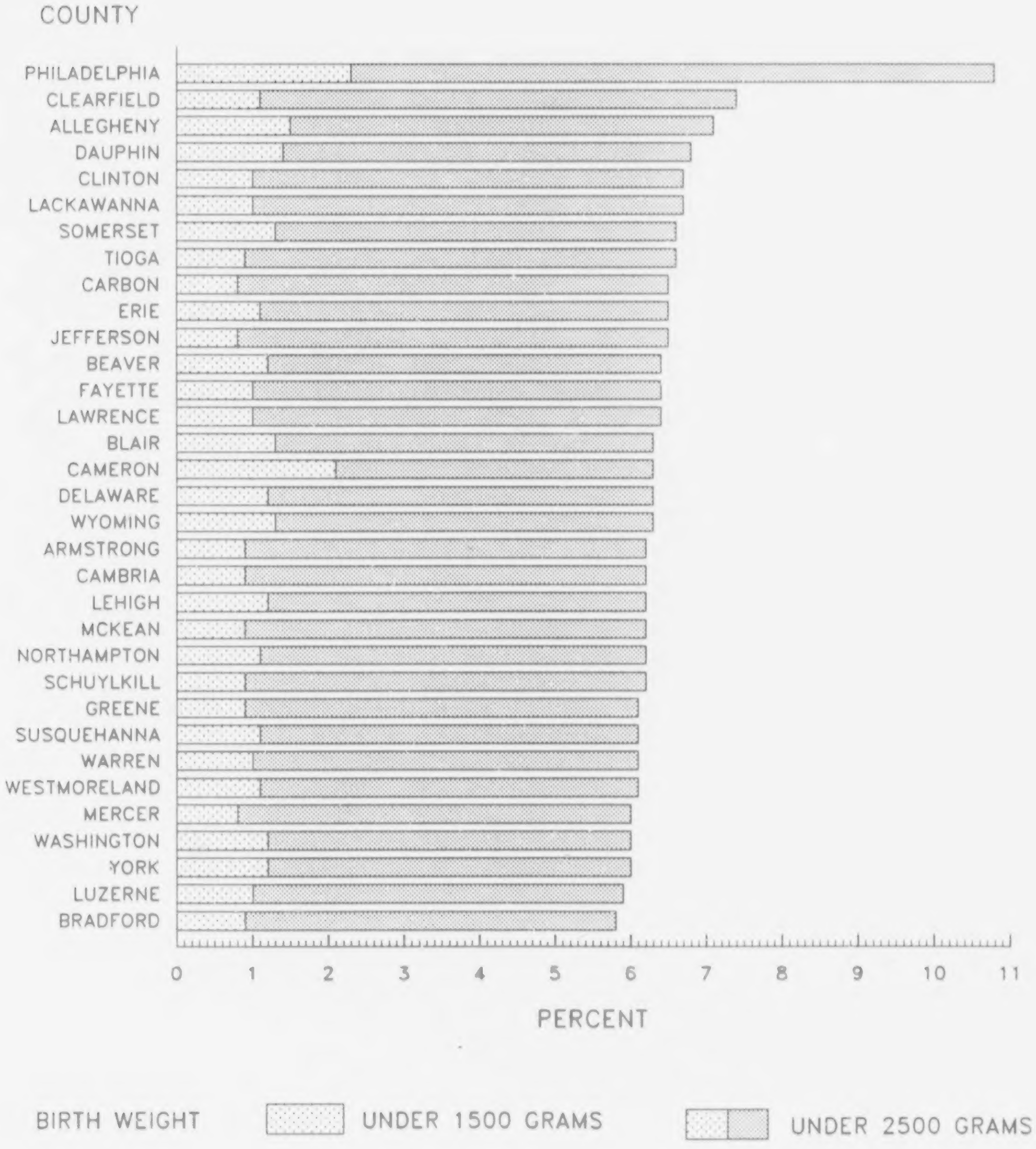
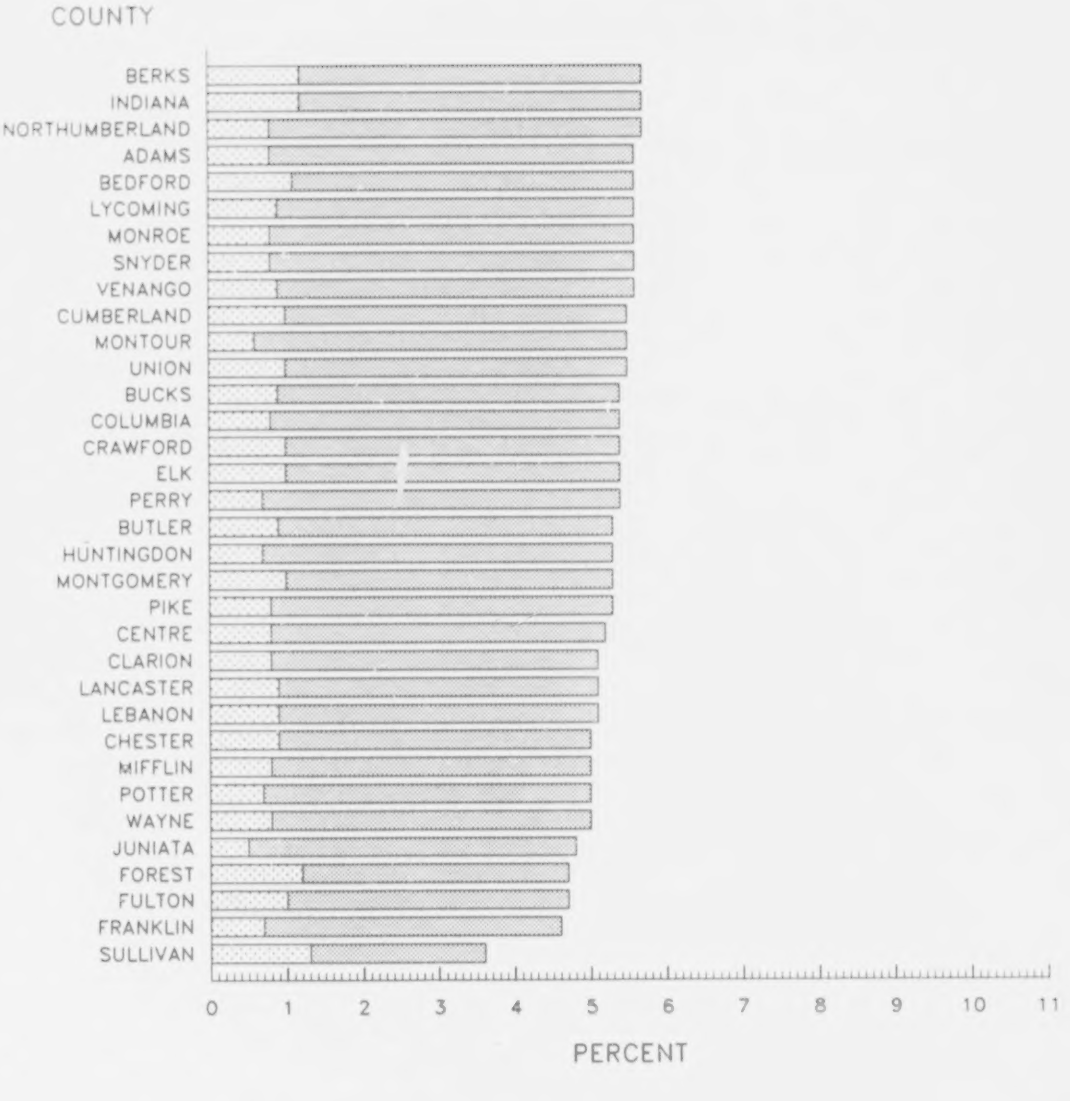


FIGURE B-8 (CONTINUED)
RESIDENT LIVE BIRTHS, PERCENT WITH VERY LOW AND LOW BIRTH WEIGHT
BY COUNTY, PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988



BIRTH WEIGHT ▨ UNDER 1500 GRAMS ▨▩ UNDER 2500 GRAMS

NOTE: THE STATE PERCENTAGES FOR VERY LOW BIRTH WEIGHT (UNDER 1500 GRAMS) AND LOW BIRTH WEIGHT (UNDER 2500 GRAMS) ARE 1.3 AND 5.5 PERCENT, RESPECTIVELY.

TABLE B-22
RESIDENT LIVE BIRTHS BY EDUCATION OF MOTHER AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

		YEARS OF EDUCATION											
		0-8		9-11		12		13-15		16 OR MORE		UNKNOWN	
COUNTY	TOTAL BIRTHS	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL COUNTIES	165,169	4,480	2.7	22,561	13.7	77,041	46.6	27,930	16.9	30,841	18.7	2,316	1.4
ADAMS	991	31	3.1	138	13.9	532	53.7	148	14.9	141	14.2	1	0.1
ALLEGHENY	17,361	159	0.9	1,601	9.2	7,787	44.9	3,286	18.9	4,364	25.1	164	0.9
ARMSTRONG	841	11	1.3	134	15.9	500	59.5	120	14.3	76	9.0	0	-
BEAVER	2,293	28	1.2	261	11.4	1,192	52.0	519	22.6	271	11.8	22	1.0
BEDFORD	579	21	3.6	69	11.9	344	59.4	85	14.7	56	9.7	4	0.7
BERKS	4,441	162	3.6	704	15.9	2,035	45.8	816	18.4	719	16.2	5	0.1
BLAIR	1,600	35	2.2	246	15.4	922	57.6	219	13.7	175	10.9	3	0.2
BRADFORD	867	33	3.8	146	16.8	432	49.8	153	17.6	88	10.1	15	1.7
BUCKS	7,677	23	0.3	493	6.4	3,422	44.6	1,575	20.5	2,073	27.0	91	1.2
BUTLER	1,976	16	0.8	189	9.6	1,048	53.0	391	19.8	329	16.6	3	0.2
CAMBRIA	1,826	22	1.2	202	11.1	1,036	56.7	336	18.4	228	12.5	2	0.1
CAMERON	85	0	-	9	10.6	47	55.3	19	22.4	10	11.8	0	-
CARBON	675	7	1.0	106	15.7	364	53.9	127	18.8	71	10.5	0	-
CENTRE	1,411	39	2.8	95	6.7	514	36.4	263	18.6	487	34.5	13	0.9
CHESTER	5,541	118	2.1	278	5.0	1,606	29.0	889	16.0	1,878	33.9	772	13.9
CLARION	490	26	5.3	55	11.2	270	55.1	73	14.9	66	13.5	0	-
CLEARFIELD	1,009	19	1.9	144	14.3	602	59.7	172	17.0	72	7.1	0	-
CLINTON	429	23	5.4	74	17.2	204	47.6	79	18.4	48	11.2	1	0.2
COLUMBIA	764	26	3.4	103	13.5	382	50.0	140	18.3	113	14.8	0	-
CRAWFORD	1,096	104	9.5	123	11.2	583	53.2	142	13.0	142	13.0	2	0.2
CUMBERLAND	2,221	63	2.8	184	8.3	1,033	46.5	379	17.1	558	25.1	4	0.2
DAUPHIN	3,513	75	2.1	572	16.3	1,520	43.3	618	7.6	675	19.2	53	1.5
DELAWARE	8,137	89	1.1	605	7.4	3,758	46.2	1,338	16.4	2,251	27.7	96	1.2
ELK	515	4	0.8	40	7.8	308	59.8	111	21.6	52	10.1	0	-
ERIE	4,008	82	2.0	620	15.5	1,997	49.8	645	16.1	653	16.3	11	0.3
FAYETTE	1,759	47	2.7	365	20.8	969	55.1	214	12.2	160	9.1	4	0.2
FOREST	51	0	-	6	11.8	30	58.8	5	9.8	10	19.6	0	-
FRANKLIN	1,596	52	3.3	240	15.0	877	54.9	256	16.0	169	10.6	2	0.1
FULTON	171	4	2.3	29	17.0	105	61.4	16	9.4	16	9.4	1	0.6
GREENE	477	11	2.3	119	24.9	225	47.2	68	14.3	53	11.1	1	0.2
HUNTINGDON	515	17	3.3	65	12.6	305	59.2	82	15.9	46	8.9	0	-
INDIANA	1,023	75	7.3	115	11.2	520	50.8	128	12.5	184	18.0	1	0.1
JEFFERSON	600	8	1.3	93	15.5	360	60.0	72	12.0	67	11.2	0	-

(CONTINUED)

TABLE B-22
RESIDENT LIVE BIRTHS BY EDUCATION OF MOTHER AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

		YEARS OF EDUCATION											
		0-8		9-11		12		13-15		16 OR MORE		UNKNOWN	
COUNTY	TOTAL BIRTHS	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
JUNIATA	285	24	8.4	41	14.4	171	60.0	34	11.9	15	5.3	0	-
LACKAWANNA	2,721	38	1.4	341	12.5	1,215	44.7	616	22.6	509	18.7	2	0.1
LANCASTER	6,886	1,059	15.4	1,037	15.1	2,810	40.8	948	13.8	1,007	14.6	25	0.4
LAWRENCE	1,123	66	5.9	162	14.4	587	52.3	169	15.0	131	11.7	8	0.7
LEBANON	1,481	59	4.0	264	17.8	771	52.1	210	14.2	174	11.7	3	0.2
LEHIGH	3,882	77	2.0	481	12.4	1,704	43.9	763	19.7	830	21.4	27	0.7
LUZERNE	3,824	45	1.2	459	12.0	1,841	48.1	873	22.8	604	15.8	2	0.1
LYCOMING	1,626	34	2.1	297	18.3	761	46.8	346	21.3	187	11.5	1	0.1
MCKEAN	529	6	1.1	79	14.9	285	53.9	91	17.2	51	9.6	17	3.2
MERCER	1,495	69	4.6	207	13.8	744	49.8	248	16.6	223	14.9	4	0.3
MIFFLIN	642	108	16.8	106	16.5	305	47.5	74	11.5	48	7.5	1	0.2
MONROE	1,266	10	0.8	133	10.5	579	45.7	273	21.6	262	20.7	9	0.7
MONTGOMERY	9,647	37	0.4	573	5.9	3,612	37.4	1,800	18.7	3,589	37.2	36	0.4
MONTOUR	279	15	5.4	34	12.2	124	44.4	48	17.2	58	20.8	0	-
NORTHAMPTON	3,173	62	2.0	360	11.3	1,493	47.1	644	20.3	590	18.6	24	0.8
NORTHUMBERLAND	1,176	16	1.4	175	14.9	679	57.7	176	15.0	129	11.0	1	0.1
PERRY	576	21	3.6	88	15.3	309	53.6	88	15.3	67	11.6	3	0.5
PHILADELPHIA	28,940	898	3.1	7,088	24.5	13,045	45.1	3,857	13.3	3,295	11.4	757	2.6
PIKE	334	2	0.6	23	6.9	167	50.0	70	21.0	42	12.6	30	9.0
POTTER	234	0	-	24	10.3	134	57.3	45	19.2	19	8.1	12	5.1
SCHUYLKILL	1,745	29	1.7	280	16.0	977	56.0	304	17.4	155	8.9	0	-
SNYDER	529	90	17.0	67	12.7	264	49.9	68	12.9	40	7.6	0	-
SOMERSET	993	33	3.3	140	14.1	563	56.7	152	15.3	105	10.6	0	-
SULLIVAN	52	0	-	7	13.5	36	69.2	7	13.5	2	3.8	0	-
SUSQUEHANNA	564	11	2.0	91	16.1	298	52.8	76	13.5	62	11.0	26	4.6
TIOGA	493	6	1.2	85	17.2	249	50.5	81	16.4	59	12.0	13	2.6
UNION	456	54	11.8	63	13.8	204	44.7	47	10.3	86	18.9	2	0.4
VENANGO	731	18	2.5	100	13.7	409	56.0	107	14.6	97	13.3	0	-
WARREN	582	20	3.4	76	13.1	320	55.0	92	15.8	62	10.7	12	2.1
WASHINGTON	2,353	23	1.0	306	13.0	1,212	51.5	413	17.6	394	16.7	5	0.2
WAYNE	514	4	0.8	55	10.7	257	50.0	93	18.1	102	19.8	3	0.6
WESTMORELAND	4,375	35	0.8	356	8.1	2,339	53.5	802	18.3	829	18.9	14	0.3
WYOMING	349	4	1.1	59	16.9	184	52.7	61	17.5	41	11.7	0	-
YORK	4,776	77	1.6	681	14.3	2,564	53.7	770	16.1	676	14.2	8	0.2

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED COUNTY.

TABLE B-23
RESIDENT LIVE BIRTHS BY MARITAL STATUS OF MOTHER AND COUNTY
NUMBER AND PERCENT: PENNSYLVANIA, 1988

		MARRIED						UNMARRIED					
				AGE OF MOTHER (IN YEARS)						AGE OF MOTHER (IN YEARS)			
		TOTAL MARRIED		19 & UNDER		OVER 19		TOTAL UNMARRIED		19 & UNDER		OVER 19	
COUNTY	TOTAL BIRTHS	NUMBER	%*	NUMBER	%**	NUMBER	%**	NUMBER	%*	NUMBER	%***	NUMBER	%***
ALL COUNTIES	165,169	120,225	72.8	4,160	3.5	116,039	96.5	43,699	26.5	13,839	31.7	29,806	68.2
ADAMS	991	771	77.8	43	5.6	728	94.4	189	19.1	70	37.0	119	63.0
ALLEGHENY	17,361	12,872	74.1	245	1.9	12,623	98.1	4,476	25.8	1,306	29.2	3,161	70.6
ARMSTRONG	841	709	84.3	44	6.2	665	93.8	132	15.7	53	40.2	79	59.8
BEAVER	2,293	1,751	76.4	51	2.9	1,700	97.1	528	23.0	169	32.0	358	67.8
BEDFORD	579	435	75.1	32	7.4	403	92.6	90	15.5	28	31.1	62	68.9
BERKS	4,441	3,419	77.0	125	3.7	3,293	96.3	1,018	22.9	313	30.7	705	69.3
BLAIR	1,600	1,145	71.6	69	6.0	1,076	94.0	454	28.4	169	37.2	285	62.8
BRADFORD	867	596	68.7	45	7.6	551	92.4	211	24.3	68	32.2	143	67.8
BUCKS	7,677	6,613	86.1	126	1.9	6,486	98.1	1,050	13.7	314	29.9	736	70.1
BUTLER	1,976	1,680	85.0	58	3.5	1,622	96.5	292	14.8	89	30.5	203	69.5
CAMBRIA	1,826	1,432	78.4	73	5.1	1,359	94.9	392	21.5	156	39.8	236	60.2
CAMERON	85	68	80.0	2	2.9	66	97.1	16	18.8	6	37.5	10	62.5
CARBON	675	517	76.6	27	5.2	490	94.8	158	23.4	64	40.5	94	59.5
CENTRE	1,411	1,204	85.3	47	3.9	1,157	96.1	203	14.4	60	29.6	143	70.4
CHESTER	5,541	4,732	85.4	81	1.7	4,651	98.3	796	14.4	258	32.4	538	67.6
CLARION	490	402	82.0	27	6.7	375	93.3	88	18.0	34	38.6	54	61.4
CLEARFIELD	1,009	807	80.0	67	8.3	740	91.7	202	20.0	73	36.1	129	63.9
CLINTON	429	331	77.2	13	3.9	318	96.1	98	22.8	33	33.7	65	66.3
COLUMBIA	764	630	82.5	31	4.9	599	95.1	134	17.5	41	30.6	93	69.4
CRAWFORD	1,096	879	80.2	47	5.3	832	94.7	210	19.2	68	32.4	142	67.6
CUMBERLAND	2,221	1,916	86.3	43	2.2	1,873	97.8	301	13.6	96	31.9	204	67.8
DAUPHIN	3,513	2,395	68.2	76	3.2	2,317	96.7	1,111	31.6	372	33.5	739	66.5
DELAWARE	8,137	6,323	77.7	86	1.4	6,233	98.6	1,811	22.3	530	29.3	1,281	70.7
ELK	515	423	82.1	19	4.5	404	95.5	91	17.7	28	30.8	63	69.2
ERIE	4,008	2,885	72.0	93	3.2	2,792	96.8	1,105	27.6	410	37.1	695	62.9
FAYETTE	1,759	1,284	73.0	112	8.7	1,172	91.3	470	26.7	178	37.9	292	62.1
FOREST	51	38	74.5	4	10.5	34	89.5	13	25.5	5	38.5	8	61.5
FRANKLIN	1,596	1,172	73.4	65	5.5	1,106	94.4	300	18.8	100	33.3	200	66.7
FULTON	171	115	67.3	13	11.3	102	88.7	36	21.1	12	33.3	24	66.7
GREENE	477	348	73.0	21	6.0	327	94.0	129	27.0	43	33.3	86	66.7
HUNTINGDON	515	403	78.3	25	6.2	378	93.8	110	21.4	48	43.6	62	56.4
INDIANA	1,023	857	83.8	40	4.7	817	95.3	166	16.2	62	37.3	104	62.7
JEFFERSON	600	488	81.3	42	8.6	446	91.4	112	18.7	40	35.7	72	64.3

(CONTINUED)

TABLE B-23
RESIDENT LIVE BIRTHS BY MARITAL STATUS OF MOTHER AND COUNTY
NUMBER AND PERCENT: PENNSYLVANIA, 1988

		MARRIED						UNMARRIED					
		TOTAL MARRIED		AGE OF MOTHER (IN YEARS)				TOTAL UNMARRIED		AGE OF MOTHER (IN YEARS)			
				19 & UNDER		OVER 19				19 & UNDER		OVER 19	
COUNTY	TOTAL BIRTHS	NUMBER	%*	NUMBER	%**	NUMBER	%**	NUMBER	%*	NUMBER	%***	NUMBER	%***
JUNIATA	285	237	83.2	17	7.2	220	92.8	48	16.8	16	33.3	32	66.7
LACKAWANNA	2,721	2,246	82.5	79	3.5	2,167	96.5	473	17.4	142	30.0	331	70.0
LANCASTER	6,886	5,578	81.0	168	3.0	5,410	97.0	1,300	18.9	464	35.7	836	64.3
LAWRENCE	1,123	804	71.6	40	5.0	764	95.0	245	21.8	86	35.1	159	64.9
LEBANON	1,481	1,147	77.4	52	4.5	1,095	95.5	334	22.6	143	42.8	191	57.2
LEHIGH	3,882	3,045	78.4	83	2.7	2,962	97.3	832	21.4	270	32.5	562	67.5
LUZERNE	3,824	2,983	78.0	120	4.0	2,863	96.0	838	21.9	306	36.5	532	63.5
LYCOMING	1,626	1,212	74.5	66	5.4	1,146	94.6	413	25.4	142	34.4	271	65.6
MCKEAN	529	320	60.5	32	10.0	288	90.0	142	26.8	65	45.8	77	54.2
MERCER	1,495	1,126	75.3	58	5.2	1,068	94.8	321	21.5	112	34.9	209	65.1
MIFFLIN	642	514	80.1	38	7.4	476	92.6	128	19.9	55	43.0	73	57.0
MONROE	1,266	1,067	84.3	31	2.9	1,036	97.1	195	15.4	62	31.8	133	68.2
MONTGOMERY	9,647	8,463	87.7	125	1.5	8,337	98.5	1,179	[illegible]	322	27.3	856	72.6
MONTOUR	279	234	83.9	16	6.8	218	93.2	45	[illegible]	10	22.2	35	77.8
NORTHAMPTON	3,173	2,561	80.7	75	2.9	2,485	97.0	609	19.2	206	33.8	403	66.2
NORTHUMBERLAND	1,176	939	79.8	81	8.6	857	91.3	237	20.2	91	38.4	146	61.6
PERRY	576	470	81.6	34	7.2	436	92.8	105	18.2	40	38.1	65	61.9
PHILADELPHIA	28,940	12,747	44.0	397	3.1	12,341	96.8	16,161	55.8	4,759	29.4	11,360	70.3
PIKE	334	237	71.0	2	0.8	235	99.2	28	8.4	10	35.7	18	64.3
POTTER	234	169	72.2	15	8.9	154	91.1	43	18.4	18	41.9	25	58.1
SCHUYLKILL	1,745	1,344	77.0	89	6.6	1,255	93.4	401	23.0	136	33.9	265	66.1
SNYDER	529	460	87.0	35	7.6	425	92.4	69	13.0	32	46.4	37	53.6
SOMERSET	993	809	81.5	65	8.0	744	92.0	142	14.3	51	35.9	91	64.1
SULLIVAN	52	40	76.9	3	7.5	37	92.5	11	21.2	3	27.3	8	72.7
SUSQUEHANNA	564	334	59.2	13	3.9	321	96.1	96	17.0	36	37.5	60	62.5
TIOGA	493	310	62.9	19	6.1	290	93.5	118	23.9	54	45.8	64	54.2
UNION	456	382	83.8	20	5.2	362	94.8	74	16.2	30	40.5	44	59.5
VENANGO	731	595	81.4	25	4.2	570	95.8	135	18.5	52	38.5	83	61.5
WARREN	582	436	74.9	23	5.3	413	94.7	105	18.0	34	32.4	71	67.6
WASHINGTON	2,353	1,879	79.9	68	3.6	1,811	96.4	468	19.9	153	32.7	315	67.3
WAYNE	514	441	85.8	21	4.8	420	95.2	60	11.7	20	33.3	40	66.7
WESTMORELAND	4,375	3,677	84.0	183	5.0	3,494	95.0	693	15.8	219	31.6	474	68.4
WYOMING	349	272	77.9	23	8.5	249	91.5	76	21.8	35	46.1	41	53.9
YORK	4,776	3,507	73.4	152	4.3	3,355	95.7	1,083	22.7	369	34.1	714	65.9

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH COUNTY.
** PERCENT OF TOTAL LIVE BIRTHS TO MARRIED MOTHERS FOR EACH COUNTY.
*** PERCENT OF TOTAL LIVE BIRTHS TO UNMARRIED MOTHERS FOR EACH COUNTY.
NOTE: UNKNOWN AGE OF MOTHER INCLUDED IN ALL TOTALS.
UNKNOWN MARITAL STATUS INCLUDED IN TOTAL BIRTHS.

TABLE B-24
RESIDENT LIVE BIRTHS BY TRIMESTER OF 1ST PRENATAL VISIT AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

		TRIMESTER IN PREGNANCY								NO PRENATAL VISITS	
		FIRST		SECOND		THIRD		UNKNOWN			
COUNTY	TOTAL BIRTHS	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
ALL COUNTIES	165,169	128,362	77.7	24,948	15.1	6,124	3.7	2,860	1.7	2,875	1.7
ADAMS	991	790	79.7	161	16.2	29	2.9	7	0.7	4	0.4
ALLEGHENY	17,361	14,909	85.9	1,741	10.0	341	2.0	211	1.2	159	0.9
ARMSTRONG	841	675	80.3	125	14.9	27	3.2	8	1.0	6	0.7
BEAVER	2,293	1,950	85.0	249	10.9	72	3.1	10	0.4	12	0.5
BEDFORD	579	395	68.2	135	23.3	30	5.2	17	2.9	2	0.3
BERKS	4,441	3,488	78.5	706	15.9	147	3.3	42	0.9	58	1.3
BLAIR	1,600	1,312	82.0	211	13.2	51	3.2	5	0.3	21	1.3
BRADFORD	867	650	75.0	162	18.7	49	5.7	3	0.3	3	0.3
BUCKS	7,677	6,549	85.3	778	10.1	209	2.7	75	1.0	66	0.9
BUTLER	1,976	1,586	80.3	287	14.5	58	2.9	21	1.1	24	1.2
CAMBRIA	1,826	1,476	80.8	297	16.3	35	1.9	9	0.5	9	0.5
CAMERON	85	71	83.5	11	12.9	3	3.5	0	-	0	-
CARBON	675	520	77.0	114	16.9	27	4.0	11	1.6	3	0.4
CENTRE	1,411	1,041	73.8	280	19.8	76	5.4	1	0.1	13	0.9
CHESTER	5,541	4,370	78.9	806	14.5	227	4.1	101	1.8	37	0.7
CLARION	490	402	82.0	64	13.1	9	1.8	5	1.0	10	2.0
CLEARFIELD	1,009	843	83.5	132	13.1	21	2.1	6	0.6	7	0.7
CLINTON	429	327	76.2	87	20.3	13	3.0	2	0.5	0	-
COLUMBIA	764	609	79.7	114	14.9	27	3.5	3	0.4	11	1.4
CRAWFORD	1,096	863	78.7	147	13.4	62	5.7	14	1.3	10	0.9
CUMBERLAND	2,221	1,835	82.6	310	14.0	56	2.5	12	0.5	8	0.4
DAUPHIN	3,513	2,552	72.6	699	19.9	191	5.4	28	0.8	43	1.2
DELAWARE	8,137	6,790	83.4	889	10.9	228	2.8	138	1.7	92	1.1
ELK	515	465	90.3	42	8.2	7	1.4	0	-	1	0.2
ERIE	4,008	3,295	82.2	546	13.6	128	3.2	12	0.3	27	0.7
FAYETTE	1,759	1,395	79.3	268	15.2	61	3.5	18	1.0	17	1.0
FOREST	51	40	78.4	10	19.6	0	-	0	-	1	2.0
FRANKLIN	1,596	1,148	71.9	355	22.2	85	5.3	7	0.4	1	0.1
FULTON	171	130	76.0	31	18.1	8	4.7	1	0.6	1	0.6
GREENE	477	379	79.5	69	14.5	16	3.4	11	2.3	2	0.4
HUNTINGDON	515	388	75.3	106	20.6	14	2.7	4	0.8	3	0.6
INDIANA	1,023	819	80.1	146	14.3	40	3.9	11	1.1	7	0.7
JEFFERSON	600	512	85.3	65	10.8	16	2.7	3	0.5	4	0.7

(CONTINUED)

TABLE B-24
RESIDENT LIVE BIRTHS BY TRIMESTER OF 1ST PRENATAL VISIT AND COUNTY
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

		TRIMESTER IN PREGNANCY								NO PRENATAL VISITS	
		FIRST		SECOND		THIRD		UNKNOWN			
COUNTY	TOTAL BIRTHS	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
JUNIATA	285	234	82.1	40	14.0	8	2.8	2	0.7	1	0.4
LACKAWANNA	2,721	2,307	84.8	326	12.0	47	1.7	7	0.3	34	1.2
LANCASTER	6,886	5,296	76.9	1,289	18.7	219	3.2	41	0.6	41	0.6
LAWRENCE	1,123	907	80.8	158	14.1	34	3.0	10	0.9	14	1.2
LEBANON	1,481	1,111	75.0	303	20.5	52	3.5	7	0.5	8	0.5
LEHIGH	3,882	3,213	82.8	427	11.0	75	1.9	142	3.7	25	0.6
LUZERNE	3,824	3,291	86.1	431	11.3	64	1.7	10	0.3	28	0.7
LYCOMING	1,626	999	61.4	524	32.2	77	4.7	13	0.8	13	0.8
MCKEAN	529	381	72.0	115	21.7	21	4.0	8	1.5	4	0.8
MERCER	1,495	1,212	81.1	208	13.9	57	3.8	11	0.7	7	0.5
MIFFLIN	642	503	78.3	90	14.0	42	6.5	3	0.5	4	0.6
MONROE	1,266	1,052	83.1	158	12.5	28	2.2	19	1.5	9	0.7
MONTGOMERY	9,647	8,239	85.4	992	10.3	246	2.6	118	1.2	52	0.5
MONTOUR	279	217	77.8	49	17.6	13	4.7	0	-	0	-
NORTHAMPTON	3,173	2,744	86.5	320	10.1	51	1.6	40	1.3	18	0.6
NORTHUMBERLAND	1,176	939	79.8	187	15.9	37	3.1	5	0.4	8	0.7
PERRY	576	420	72.9	111	19.3	32	5.6	8	1.4	5	0.9
PHILADELPHIA	28,940	17,053	58.9	6,446	22.3	2,133	7.4	1,473	5.1	1,835	6.3
PIKE	334	272	81.4	39	11.7	12	3.6	9	2.7	2	0.6
POTTER	234	194	82.9	35	15.0	2	0.9	1	0.4	2	0.9
SCHUYLKILL	1,745	1,458	83.6	227	13.0	38	2.2	6	0.3	16	0.9
SNYDER	529	384	72.6	112	21.2	32	6.0	0	-	1	0.2
SOMERSET	993	802	80.8	147	14.8	37	3.7	1	0.1	6	0.6
SULLIVAN	52	32	61.5	17	32.7	3	5.8	0	-	0	-
SUSQUEHANNA	564	448	79.4	90	16.0	22	3.9	2	0.4	2	0.4
TIOGA	493	389	78.9	85	17.2	15	3.0	3	0.6	1	0.2
UNION	456	359	78.7	67	14.7	26	5.7	3	0.7	1	0.2
VENANGO	731	599	81.9	105	14.4	23	3.1	2	0.3	2	0.3
WARREN	582	493	84.7	67	11.5	12	2.1	8	1.4	2	0.3
WASHINGTON	2,353	1,923	81.7	315	13.4	79	3.4	18	0.8	18	0.8
WAYNE	514	412	80.2	85	16.5	8	1.6	4	0.8	5	1.0
WESTMORELAND	4,375	3,692	84.4	511	11.7	80	1.8	69	1.6	23	0.5
WYOMING	349	259	74.2	76	21.8	12	3.4	0	-	2	0.6
YORK	4,776	3,954	82.8	653	13.7	124	2.6	21	0.4	24	0.5

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED COUNTY.

TABLE B-25
RESIDENT LIVE BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH AND COUNTY, PENNSYLVANIA, 1988

COUNTY	TOTAL BIRTHS	HOSPITAL				NON-HOSPITAL			
		PHYSICIAN	MIDWIFE	OTHER	UNKNOWN	PHYSICIAN	MIDWIFE	OTHER	UNKNOWN
ALL COUNTIES	165,169	159,190	3,340	129	110	650	1,490	206	54
ADAMS	991	952	28	2	0	2	6	1	0
ALLEGHENY	17,361	17,092	164	18	1	23	57	6	0
ARMSTRONG	841	838	0	0	0	1	1	1	0
BEAVER	2,293	2,277	0	2	0	7	3	4	0
BEDFORD	579	570	3	0	0	0	6	0	0
BERKS	4,441	4,065	223	2	27	63	50	4	7
BLAIR	1,600	1,587	1	1	0	2	4	5	0
BRADFORD	867	765	100	1	0	0	0	1	0
BUCKS	7,677	7,517	90	5	6	7	49	3	0
BUTLER	1,976	1,966	0	2	0	2	4	2	0
CAMBRIA	1,826	1,807	18	0	0	0	0	1	0
CAMERON	85	83	0	0	0	2	0	0	0
CARBON	675	668	2	1	0	0	4	0	0
CENTRE	1,411	1,326	50	1	3	1	27	2	1
CHESTER	5,541	5,268	97	21	5	38	105	7	0
CLARION	490	476	2	0	0	0	12	0	0
CLEARFIELD	1,009	1,009	0	0	0	0	0	0	0
CLINTON	429	286	119	0	0	0	24	0	0
COLUMBIA	764	754	2	0	0	0	7	1	0
CRAWFORD	1,096	1,052	0	0	1	0	38	5	0
CUMBERLAND	2,221	2,131	27	0	2	0	57	4	0
DAUPHIN	3,513	3,384	84	4	17	4	16	3	1
DELAWARE	8,137	7,790	292	2	3	9	34	7	0
ELK	515	515	0	0	0	0	0	0	0
ERIE	4,008	3,994	2	0	2	1	1	8	0
FAYETTE	1,759	1,752	2	3	0	1	0	1	0
FOREST	51	49	1	0	0	0	1	0	0
FRANKLIN	1,596	1,498	43	0	0	0	51	3	1
FULTON	171	169	1	0	0	1	0	0	0
GREENE	477	474	0	2	0	0	0	1	0
HUNTINGDON	515	389	117	1	0	0	8	0	0
INDIANA	1,023	980	4	0	0	4	0	34	1
JEFFERSON	600	598	0	0	0	2	0	0	0

(CONTINUED)

TABLE B-25
RESIDENT LIVE BIRTHS BY PLACE OF DELIVERY, ATTENDANT AT BIRTH AND COUNTY, PENNSYLVANIA, 1988

		HOSPITAL				NON-HOSPITAL			
COUNTY	TOTAL BIRTHS	PHYSICIAN	MIDWIFE	OTHER	UNKNOWN	PHYSICIAN	MIDWIFE	OTHER	UNKNOWN
JUNIATA	285	236	28	0	0	0	21	0	0
LACKAWANNA	2,721	2,698	18	3	0	0	1	1	0
LANCASTER	6,886	6,174	7	1	2	319	371	8	4
LAWRENCE	1,123	1,106	1	0	0	3	12	0	1
LEBANON	1,481	1,414	2	1	0	40	7	2	15
LEHIGH	3,882	3,815	0	3	4	5	54	0	1
LUZERNE	3,824	3,764	50	1	1	5	0	1	2
LYCOMING	1,626	1,300	322	0	0	0	4	0	0
MCKEAN	529	529	0	0	0	0	0	0	0
MERCER	1,495	1,452	3	2	1	3	30	4	0
MIFFLIN	642	474	84	3	0	1	74	6	0
MONROE	1,266	1,232	5	2	0	8	15	3	1
MONTGOMERY	9,647	9,438	140	1	1	6	54	7	0
MONTOUR	279	269	0	0	0	0	10	0	0
NORTHAMPTON	3,173	3,112	4	1	0	8	46	0	2
NORTHUMBERLAND	1,176	1,151	13	0	0	2	8	2	0
PERRY	576	524	28	1	5	1	15	2	0
PHILADELPHIA	28,940	27,725	1,059	24	18	34	37	37	6
PIKE	334	313	15	3	0	1	1	0	1
POTTER	234	234	0	0	0	0	0	0	0
SCHUYLKILL	1,745	1,714	2	0	2	21	2	1	3
SNYDER	529	450	5	0	0	1	69	2	2
SOMERSET	993	981	3	0	0	1	0	6	2
SULLIVAN	52	49	3	0	0	0	0	0	0
SUSQUEHANNA	564	546	15	0	1	0	1	1	0
TIOGA	493	478	11	2	0	2	0	0	0
UNION	456	413	3	0	0	1	37	2	0
VENANGO	731	725	0	0	0	0	5	1	0
WARREN	582	564	0	3	0	0	8	5	2
WASHINGTON	2,353	2,344	1	0	4	2	1	1	0
WAYNE	514	487	20	0	0	5	0	2	0
WESTMORELAND	4,375	4,358	5	2	0	5	2	3	0
WYOMING	349	344	2	2	0	1	0	0	0
YORK	4,776	4,696	19	6	4	5	40	5	1

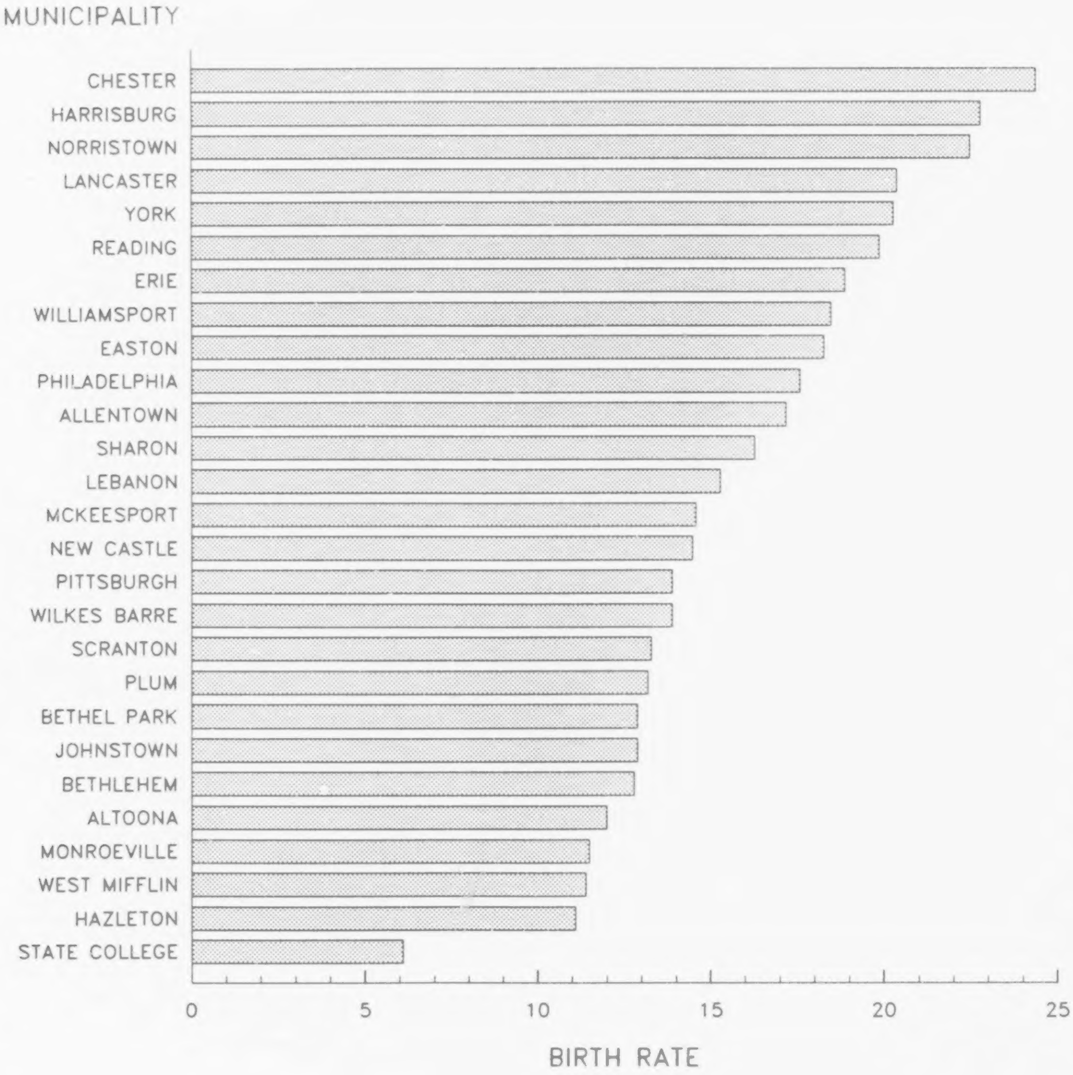
TABLE B-26
RESIDENT LIVE BIRTHS BY SEX, RACE AND SELECTED MUNICIPALITIES
NUMBER AND RATE: PENNSYLVANIA, 1988

MUNICIPALITY	TOTAL BIRTHS	RATE*	WHITE ** TOTAL	WHITE ** MALE***	WHITE ** FEMALE	ALL OTHER TOTAL	ALL OTHER MALE***	ALL OTHER FEMALE
STATE TOTAL	165,169	13.8	136,656	70,289	66,367	28,513	14,485	14,028
ALLENTOWN	1,807	17.2	1,574	806	768	233	122	111
ALTOONA	633	12.0	603	298	305	30	16	14
BETHEL PARK	446	12.9	439	243	196	7	2	5
BETHLEHEM	925	12.8	839	434	405	86	33	53
CHESTER	1,037	24.4	262	128	134	775	398	377
EASTON	498	18.3	419	225	194	79	38	41
ERIE	2,133	18.9	1,720	886	834	413	213	200
HARRISBURG	1,181	22.8	429	199	230	752	382	370
HAZLETON	281	11.1	277	154	123	4	4	0
JOHNSTOWN	392	12.9	319	164	155	73	40	33
LANCASTER	1,206	20.4	919	469	450	287	129	158
LEBANON	410	15.3	391	199	192	19	9	10
MCKEESPORT	383	14.6	267	133	134	116	61	55
MONROEVILLE	339	11.5	299	154	145	40	26	14
NEW CASTLE	433	14.5	364	205	159	69	33	36
NORRISTOWN	752	22.5	481	232	249	271	128	143
PHILADELPHIA	28,940	17.6	12,650	6,510	6,140	16,290	8,264	8,026
PITTSBURGH	5,222	13.9	2,903	1,508	1,395	2,319	1,163	1,156
PLUM	327	13.2	315	150	165	12	7	5
READING	1,521	19.9	1,275	631	644	246	107	139
SCRANTON	1,082	13.3	1,025	517	508	57	30	27
SHARON	254	16.3	199	105	94	55	28	27
STATE COLLEGE	202	6.1	160	80	80	42	18	24
WEST MIFFLIN	276	11.4	238	122	116	38	18	20
WILKES BARRE	653	13.9	594	314	280	59	32	27
WILLIAMSPORT	589	18.5	528	270	258	61	29	32
YORK	923	20.3	590	328	262	333	181	152
ALL OTHER AREAS	112,324	12.7	106,577	54,825	51,752	5,747	2,974	2,773

* RATE PER 1,000 POPULATION FOR EACH SPECIFIED AREA.
** UNKNOWN RACE OF CHILD INCLUDED IN THE WHITE CATEGORY.
***UNKNOWN SEX OF CHILD INCLUDED IN THE MALE CATEGORY.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

FIGURE B-9
RESIDENT LIVE BIRTH RATES BY SELECTED MUNICIPALITIES
PENNSYLVANIA, 1988



NOTE: RATE PER 1,000 POPULATION, 1988. SEE TABLE B-26 FOR CORRESPONDING DATA.

TABLE B-27
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND SELECTED MUNICIPALITIES
PENNSYLVANIA, 1988

MUNICIPALITY	TOTAL BIRTHS	AGE OF MOTHER (IN YEARS)								
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & OVER	UNKNOWN
STATE TOTAL	165,169	386	17,701	41,681	54,481	37,726	11,563	1,459	50	122
ALLENTOWN	1,807	5	242	518	571	360	98	12	0	1
ALTOONA	633	1	99	186	199	108	36	4	0	0
BETHEL PARK	446	0	9	28	161	194	49	5	0	0
BETHLEHEM	925	1	105	234	308	208	58	8	1	2
CHESTER	1,037	12	241	318	278	147	37	4	0	0
EASTON	498	2	59	168	143	98	24	4	0	0
ERIE	2,133	3	313	596	637	430	141	12	0	1
HARRISBURG	1,181	13	268	403	285	150	50	8	2	2
HAZLETON	281	1	23	81	88	59	23	6	0	0
JOHNSTOWN	392	0	85	122	99	67	17	2	0	0
LANCASTER	1,206	12	255	413	305	172	43	4	0	2
LEBANON	410	0	88	147	109	49	16	1	0	0
MCKEESPORT	383	0	71	133	103	54	21	1	0	0
MONROEVILLE	339	0	15	43	113	130	33	5	0	0
NEW CASTLE	433	2	56	133	129	89	20	4	0	0
NORRISTOWN	752	2	92	203	258	157	33	7	0	0
PHILADELPHIA	28,940	177	4,980	8,391	8,356	5,083	1,628	259	6	60
PITTSBURGH	5,222	24	752	1,408	1,568	1,063	360	37	1	9
PLUM	327	0	11	54	137	90	34	1	0	0
READING	1,521	14	278	547	423	194	58	7	0	0
SCRANTON	1,082	0	109	294	358	228	79	14	0	0
SHARON	254	0	48	87	73	36	9	1	0	0
STATE COLLEGE	202	0	1	46	75	59	16	5	0	0
WEST MIFFLIN	276	0	9	55	106	86	15	5	0	0
WILKES BARRE	653	0	82	216	210	102	38	5	0	0
WILLIAMSPORT	589	3	96	195	188	79	24	4	0	0
YORK	923	5	204	346	214	118	30	6	0	0
ALL OTHER AREAS	112,324	109	9,110	26,316	38,987	28,116	8,573	1,028	40	45

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

TABLE B-28
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT AND SELECTED MUNICIPALITIES
NUMBER AND PERCENT*: PENNSYLVANIA, 1988

		BIRTH WEIGHT											
		0-1499 GRAMS		1500-2499 GRAMS		2500-3499 GRAMS		3500-4499 GRAMS		4500 GRAMS AND OVER		UNKNOWN WEIGHT	
MUNICIPALITY	TOTAL BIRTHS	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
STATE TOTAL	165,169	2,227	1.3	9,190	5.6	86,838	52.6	63,749	38.6	3,036	1.8	129	0.1
ALLENTOWN	1,807	29	1.6	101	5.6	995	55.1	655	36.2	26	1.4	1	0.1
ALTOONA	633	7	1.1	36	5.7	344	54.3	233	36.8	13	2.1	0	-
BETHEL PARK	446	2	0.4	18	4.0	205	46.0	210	47.1	11	2.5	0	-
BETHLEHEM	925	12	1.3	57	6.2	478	51.7	362	39.1	14	1.5	2	0.2
CHESTER	1,037	24	2.3	100	9.6	641	61.8	266	25.7	6	0.6	0	-
EASTON	498	3	0.6	25	5.0	261	52.4	199	40.0	10	2.0	0	-
ERIE	2,133	34	1.6	115	5.4	1,134	53.2	800	37.5	49	2.3	1	0.0
HARRISBURG	1,181	30	2.5	94	8.0	678	57.4	363	30.7	15	1.3	1	0.1
HAZLETON	281	2	0.7	15	5.3	160	56.9	98	34.9	6	2.1	0	-
JOHNSTOWN	392	1	0.3	27	6.9	222	56.6	137	34.9	5	1.3	0	-
LANCASTER	1,206	23	1.9	63	5.2	682	56.6	415	34.4	20	1.7	3	0.2
LEBANON	410	8	2.0	17	4.1	213	52.0	169	41.2	3	0.7	0	-
MCKEESPORT	383	5	1.3	27	7.0	214	55.9	132	34.5	4	1.0	1	0.3
MONROEVILLE	339	5	1.5	19	5.6	166	49.0	142	41.9	6	1.8	1	0.3
NEW CASTLE	433	7	1.6	30	6.9	229	52.9	159	36.7	8	1.8	0	-
NORRISTOWN	752	15	2.0	45	6.0	426	56.6	250	33.2	16	2.1	0	-
PHILADELPHIA	28,940	718	2.5	2,676	9.2	16,953	58.6	8,229	28.4	340	1.2	24	0.1
PITTSBURGH	5,222	120	2.3	402	7.7	3,011	57.7	1,629	31.2	53	1.0	7	0.1
PLUM	327	3	0.9	12	3.7	155	47.4	147	45.0	9	2.8	1	0.3
READING	1,521	25	1.6	82	5.4	843	55.4	556	36.6	15	1.0	0	-
SCRANTON	1,082	11	1.0	75	6.9	591	54.6	384	35.5	20	1.8	1	0.1
SHARON	254	1	0.4	23	9.1	147	57.9	82	32.3	1	0.4	0	-
STATE COLLEGE	202	0	-	8	4.0	109	54.0	78	38.6	7	3.5	0	-
WEST MIFFLIN	276	4	1.4	12	4.3	143	51.8	112	40.6	3	1.1	2	0.7
WILKES BARRE	653	4	0.6	38	5.8	347	53.1	251	38.4	13	2.0	0	-
WILLIAMSPORT	589	8	1.4	24	4.1	310	52.6	236	40.1	11	1.9	0	-
YORK	923	23	2.5	70	7.6	548	59.4	268	29.0	14	1.5	0	-
ALL OTHER AREAS	112,324	1,103	1.0	4,979	4.4	56,633	50.4	47,187	42.0	2,338	2.1	84	0.1

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AREA.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.
LOW BIRTH WEIGHT IS DEFINED AS 2499 GRAMS AND LESS.

TABLE B-29
RESIDENT LIVE BIRTHS BY EDUCATION OF MOTHER AND SELECTED MUNICIPALITIES, NUMBER AND PERCENT*: PENNSYLVANIA, 1988

		YEARS OF EDUCATION											
		0-8		9-11		12		13-15		16 OR MORE		UNKNOWN	
MUNICIPALITY	TOTAL BIRTHS	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
STATE TOTAL	165,169	4,480	2.7	22,561	13.7	77,041	46.6	27,930	16.9	30,841	18.7	2,316	1.4
ALLENTOWN	1,807	66	3.7	351	19.4	824	45.6	287	15.9	262	14.5	17	0.9
ALTOONA	633	9	1.4	123	19.4	369	58.3	78	12.3	51	8.1	3	0.5
BETHEL PARK	446	0	-	3	0.7	157	35.2	94	21.1	190	42.6	2	0.4
BETHLEHEM	925	30	3.2	148	16.0	387	41.8	178	19.2	177	19.1	5	0.5
CHESTER	1,037	45	4.3	232	22.4	562	54.2	112	10.8	67	6.5	19	1.8
EASTON	498	20	4.0	84	16.9	249	50.0	82	16.5	53	10.6	10	2.0
ERIE	2,133	58	2.7	403	18.9	1,010	47.4	332	15.6	322	15.1	8	0.4
HARRISBURG	1,181	42	3.6	377	31.9	439	37.2	167	14.1	111	9.4	45	3.8
HAZLETON	281	4	1.4	39	13.9	142	50.5	69	24.6	27	9.6	0	-
JOHNSTOWN	392	12	3.1	77	19.6	220	56.1	61	15.6	22	5.6	0	-
LANCASTER	1,206	87	7.2	379	31.4	486	40.3	128	10.6	120	10.0	6	0.5
LEBANON	410	10	2.4	106	25.9	224	54.6	46	11.2	24	5.9	0	-
MCKEESPORT	383	11	2.9	74	19.3	196	51.2	74	19.3	23	6.0	5	1.3
MONROEVILLE	339	1	0.3	9	2.7	101	29.8	84	24.8	142	41.9	2	0.6
NEW CASTLE	433	22	5.1	86	19.9	213	49.2	58	13.4	47	10.9	7	1.6
NORRISTOWN	752	9	1.2	130	17.3	374	49.7	128	17.0	108	14.4	3	0.4
PHILADELPHIA	28,940	898	3.1	7,088	24.5	13,045	45.1	3,857	13.3	3,295	11.4	757	2.6
PITTSBURGH	5,222	86	1.6	830	15.9	2,480	47.5	818	15.7	905	17.3	103	2.0
PLUM	327	0	-	10	3.1	148	45.3	73	22.3	95	29.1	1	0.3
READING	1,521	113	7.4	463	30.4	661	43.5	189	12.4	93	6.1	2	0.1
SCRANTON	1,082	16	1.5	198	18.3	470	43.4	224	20.7	173	16.0	1	0.1
SHARON	254	5	2.0	62	24.4	115	45.3	50	19.7	22	8.7	0	-
STATE COLLEGE	202	1	0.5	5	2.5	28	13.9	40	19.8	127	62.9	1	0.5
WEST MIFFLIN	276	1	0.4	14	5.1	158	57.2	66	23.9	36	13.0	1	0.4
WILKES BARRE	653	8	1.2	99	15.2	328	50.2	137	21.0	81	12.4	0	-
WILLIAMSPORT	589	16	2.7	156	26.5	222	37.7	129	21.9	66	11.2	0	-
YORK	923	32	3.5	282	30.6	455	49.3	92	10.0	61	6.6	1	0.1
ALL OTHER AREAS	112,324	2,878	2.6	10,733	9.6	52,978	47.2	20,277	18.1	24,141	21.5	1,317	1.2

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AREA.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

TABLE B-30
RESIDENT LIVE BIRTHS BY MARITAL STATUS OF MOTHER AND SELECTED MUNICIPALITIES, NUMBER AND PERCENT: PENNSYLVANIA, 1988

		MARRIED						UNMARRIED					
		TOTAL MARRIED		AGE OF MOTHER (IN YEARS) 19 & UNDER		AGE OF MOTHER (IN YEARS) OVER 19		TOTAL UNMARRIED		AGE OF MOTHER (IN YEARS) 19 & UNDER		AGE OF MOTHER (IN YEARS) OVER 19	
MUNICIPALITY	TOTAL BIRTHS	NUMBER	%*	NUMBER	%**	NUMBER	%**	NUMBER	%*	NUMBER	%***	NUMBER	%***
STATE TOTAL	165,169	120,225	72.8	4,160	3.5	116,039	96.5	43,699	26.5	13,839	31.7	29,806	68.2
ALLENTOWN	1,807	1,204	66.6	49	4.1	1,155	95.9	600	33.2	198	33.0	402	67.0
ALTOONA	633	405	64.0	17	4.2	388	95.8	227	35.9	83	36.6	144	63.4
BETHEL PARK	446	424	95.1	2	0.5	422	99.5	22	4.9	7	31.8	15	68.2
BETHLEHEM	925	682	73.7	32	4.7	649	95.2	240	25.9	74	30.8	166	69.2
CHESTER	1,037	320	30.9	12	3.7	308	96.2	717	69.1	241	33.6	476	66.4
EASTON	498	335	67.3	13	3.9	322	96.1	162	32.5	48	29.6	114	70.4
ERIE	2,133	1,369	64.2	41	3.0	1,328	97.0	759	35.6	273	36.0	486	64.0
HARRISBURG	1,181	451	38.2	30	6.7	420	93.1	726	61.5	250	34.4	476	65.6
HAZLETON	281	218	77.6	7	3.2	211	96.8	63	22.4	17	27.0	46	73.0
JOHNSTOWN	392	228	58.2	21	9.2	207	90.8	163	41.6	63	38.7	100	61.3
LANCASTER	1,206	576	47.8	36	6.3	540	93.8	627	52.0	231	36.8	396	63.2
LEBANON	410	230	56.1	14	6.1	216	93.9	180	43.9	74	41.1	106	58.9
MCKEESPORT	383	194	50.7	5	2.6	189	97.4	188	49.1	66	35.1	122	64.9
MONROEVILLE	339	301	88.8	5	1.7	296	98.3	37	10.9	10	27.0	27	73.0
NEW CASTLE	433	240	55.4	12	5.0	228	95.0	145	33.5	45	31.0	100	69.0
NORRISTOWN	752	466	62.0	13	2.8	453	97.2	285	37.9	81	28.4	204	71.6
PHILADELPHIA	28,940	12,747	44.0	397	3.1	12,341	96.8	16,161	55.8	4,759	29.4	11,360	70.3
PITTSBURGH	5,222	2,824	54.1	78	2.8	2,745	97.2	2,392	45.8	698	29.2	1,688	70.6
PLUM	327	309	94.5	4	1.3	305	98.7	18	5.5	7	38.9	11	61.1
READING	1,521	811	53.3	68	8.4	743	91.6	707	46.5	223	31.5	484	68.5
SCRANTON	1,082	818	75.6	27	3.3	791	96.7	262	24.2	81	30.9	181	69.1
SHARON	254	138	54.3	9	6.5	129	93.5	98	38.6	34	34.7	64	65.3
STATE COLLEGE	202	187	92.6	1	0.5	186	99.5	14	6.9	0	-	14	100
WEST MIFFLIN	276	225	81.5	2	0.9	223	99.1	51	18.5	7	13.7	44	86.3
WILKES BARRE	653	443	67.8	20	4.5	423	95.5	208	31.9	62	29.8	146	70.2
WILLIAMSPORT	589	374	63.5	23	6.1	351	93.9	215	36.5	76	35.3	139	64.7
YORK	923	404	43.8	37	9.2	367	90.8	513	55.6	172	33.5	341	66.5
ALL OTHER AREAS	112,324	93,302	83.1	3,185	3.4	90,103	96.6	17,919	16.0	5,959	33.3	11,954	66.7

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AREA.
** PERCENT OF TOTAL LIVE BIRTHS TO MARRIED MOTHERS FOR EACH SPECIFIED AREA.
*** PERCENT OF TOTAL LIVE BIRTHS TO UNMARRIED MOTHERS FOR EACH SPECIFIED AREA.

NOTE: UNKNOWN AGE OF MOTHER INCLUDED IN ALL TOTALS. UNKNOWN MARITAL STATUS INCLUDED IN TOTAL BIRTHS. SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

TABLE B-31
RESIDENT LIVE BIRTHS BY TRIMESTER OF 1ST PRENATAL VISIT AND SELECTED MUNICIPALITIES, NUMBER AND PERCENT*: PENNSYLVANIA, 1988

		TRIMESTER IN PREGNANCY								NO PRENATAL VISITS	
		FIRST		SECOND		THIRD		UNKNOWN			
MUNICIPALITY	TOTAL BIRTHS	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
STATE TOTAL	165,169	128,362	77.7	24,948	15.1	6,124	3.7	2,860	1.7	2,875	1.7
ALLENTOWN	1,807	1,388	76.8	264	14.6	52	2.9	84	4.6	19	1.1
ALTOONA	633	505	79.8	94	14.8	24	3.8	3	0.5	7	1.1
BETHEL PARK	446	426	95.5	14	3.1	2	0.4	3	0.7	1	0.2
BETHLEHEM	925	772	83.5	122	13.2	12	1.3	16	1.7	3	0.3
CHESTER	1,037	563	54.3	300	28.9	96	9.3	28	2.7	50	4.8
EASTON	498	372	74.7	90	18.1	18	3.6	9	1.8	9	1.8
ERIE	2,133	1,683	78.9	335	15.7	84	3.9	10	0.5	21	1.0
HARRISBURG	1,181	635	53.8	372	31.5	129	11	13	1.1	32	2.7
HAZLETON	281	241	85.8	30	10.7	8	2.8	0	-	2	0.7
JOHNSTOWN	392	293	74.7	85	21.7	7	1.8	2	0.5	5	1.3
LANCASTER	1,206	885	73.4	244	20.2	47	3.9	15	1.2	15	1.2
LEBANON	410	275	67.1	109	26.6	23	5.6	1	0.2	2	0.5
MCKEESPORT	383	262	68.4	94	24.5	17	4.4	7	1.8	3	0.8
MONROEVILLE	339	299	88.2	26	7.7	7	2.1	5	1.5	2	0.6
NEW CASTLE	433	341	78.8	65	15.0	14	3.2	6	1.4	7	1.6
NORRISTOWN	752	548	72.9	135	18.0	37	4.9	19	2.5	13	1.7
PHILADELPHIA	28,940	17,053	58.9	6,446	22.3	2,133	7.4	1,473	5.1	1,835	6.3
PITTSBURGH	5,222	4,182	80.1	718	13.7	159	3.0	90	1.7	73	1.4
PLUM	327	296	90.5	23	7.0	5	1.5	3	0.9	0	-
READING	1,521	990	65.1	382	25.1	89	5.9	15	1.0	45	3.0
SCRANTON	1,082	880	81.3	156	14.4	24	2.2	4	0.4	18	1.7
SHARON	254	183	72.0	55	21.7	12	4.7	1	0.4	3	1.2
STATE COLLEGE	202	141	69.8	45	22.3	12	5.9	0	-	4	2.0
WEST MIFFLIN	276	238	86.2	22	8.0	8	2.9	4	1.4	4	1.4
WILKES BARRE	653	538	82.4	84	12.9	17	2.6	7	1.1	7	1.1
WILLIAMSPORT	589	352	59.8	199	33.8	29	4.9	5	0.8	4	0.7
YORK	923	647	70.1	200	21.7	52	5.6	11	1.2	13	1.4
ALL OTHER AREAS	112,324	93,374	83.1	14,239	12.7	3,007	2.7	1,026	0.9	678	0.6

* PERCENT OF TOTAL LIVE BIRTHS FOR EACH SPECIFIED AREA.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

1988 MORTALITY STATISTICS

Highlights

THE STATE:

Total Deaths

In 1988, a total of 125,337 Pennsylvania residents died, an increase of only 351 or 0.3 percent from 1987. This figure is the highest annual number of deaths since 1973. The 1988 crude death rate per 1,000 population was 10.4, down only slightly from the rate of 10.5 that occurred in 1987 and the same rate that occurred in 1985 and 1986. Only minor fluctuations have occurred in the death rate over the past 40 years. Historically, Pennsylvania's total crude death rates have been higher than those for the United States.

Deaths by Age, Sex and Race

The median age at death in 1988 for Pennsylvanians was 75.3. This figure has risen gradually over the years from 68.7 in 1960, 70.9 in 1970, 72.8 in 1980, and 74.3 in 1985. The median age at death for females in 1988 was 78.6 -- 6.3 years higher than the median age at death for males (72.3).

Even though the total (all ages) crude death rates have changed only slightly since 1950, the age-specific death rates for the youngest five-year age group (under 5) and for the five-year age groups of those 50 years of age through 85 and older have decreased dramatically over the years since 1950. The death rates for the other age groups have changed only slightly or experienced decreases that were not as dramatic as for the previously mentioned age groups.

In 1988, 9.7 percent of all deaths were to residents of races other than white. Almost 53 percent of the white residents who died in 1988 were 75 years of age or older while only about one-third (33.1 percent) of the deaths to residents of races other than white were from the same age group. This is a reflection of the rather large difference (8.3 years) in the median age at death between the two racial groups -- 75.9 for whites compared to 67.6 for all other races.

The 1988 resident male death rate of 11.0 per 1,000 male population also occurred among white males. The death rate in 1988 among males of races other than white was 11.2, only slightly higher than that for whites. However, in comparing age-specific male death rates between the two racial groups, the rates for non-white males were much higher than those for white males in all age groups except for the two oldest age groups, 80-84 and 85 and older. The median age at death for white males in 1988 was 72.9; for males of all other races, it was 64.6. This represents a difference of 8.3 years in the median ages (at death) of males for the two racial groups.

In contrast to the males, the crude death rate for white females (10.1) was higher than the rate for females of races other than white (8.4). Yet, for the age-specific rates among the females, a pattern similar to that among the males was evident between the racial groups. Death rates for white females were not consistently higher than for females of other races until ages 80 and over. The median age at death for white females in 1988 was 79.2; for females of all other races, it was 71.6. This represents a difference of 7.6 years in the median ages (at death) of females for the two racial groups -- similar to the difference between the males' median ages at death.

Age-Adjusted Death Rates by Sex and Race

One explanation often used for Pennsylvania's consistently higher crude death rates is that Pennsylvania has one of the oldest populations among the fifty states. To take that into account, age-adjusted death rates by sex and race were computed for the state back to 1950. In comparing these special United States and Pennsylvania death rates that have been adjusted for differences in the ages of the populations being studied, we find that most Pennsylvanians have experienced similar or only slightly higher mortality rates that the United States as a whole. The gap between the Pennsylvania and United States rates has narrowed over the years. In 1950, the age-adjusted death rate for the state was 6.0 percent higher than the same rate for the United States. By 1975, Pennsylvania's rate was 4.8 percent higher and, by 1988, only 1.9 percent higher.

In reviewing the 1988 age-adjusted death rates by sex, the rate for males was over 75 percent higher than the rate for females. Since 1950, the rates for males have been higher. However, in 1950, the male rate was 40.0 percent higher than the female rate and the percentage difference between these rates continued to increase until the 1970's. Since then, the percentage difference has remained at approximately 75 percent.

Age-adjusted death rates by race for Pennsylvania and the United States showed that while the rates among whites in Pennsylvania have been similar to the United States rates for whites, the Pennsylvania rates for races other than white have been higher than the comparable United States rates. In 1988, the age-adjusted death rates for whites in Pennsylvania was 5.2 per 1,000 white population; in the United States, it was 5.1. Among races other than white, the figure was 7.8 for Pennsylvania and 6.7 for the United States. The state's 1988 age-adjusted death rate among races other than white was 50.0 percent higher than the rate for whites. In comparison, the United States rate among races other than white in 1988 was 31.4 percent higher than the rate for whites.

Infant Deaths

The number of resident infant deaths for Pennsylvania declined from 1,654 in 1987 to 1,615 in 1988, a decrease of 2.4 percent from 1987. The corresponding infant death rate also declined to 9.8 per 1,000 live births in 1988 compared to the 10.2 recorded in 1987 and 1986. Both the 1988 infant death number and rate were the lowest such annual figures ever recorded for the state.

In 1988, 67.6 percent of the infant deaths occurred during the neonatal period (the first 27 days of life) and the remaining 32.4 percent during the postneonatal period (28-364 days). From 1950 to 1987, Pennsylvania's resident infant and neonatal death rates have been similar to those for the United States with significant decreases since 1950 but fewer and smaller declines in the last several years.

Infant Deaths by Race

When broken down by race, the resident infant death rate for whites declined slightly from 8.1 in 1987 to 8.0 in 1988. The number and rate of neonatal deaths among whites also declined, and, to record lows, with 747 deaths and a rate of 5.5. However, the number and rate of postneonatal white infant deaths increased from 310 with a rate of 2.3 for 1987 to 343 deaths with a rate of 2.5 for 1988. The number of infant deaths among races other than white also decreased from 554 in 1987 to 525 in 1988. The infant death rate for this group decreased from 20.4 in 1987 to 18.4 in 1988, close to the record low of 18.3 registered in 1986. However, the neonatal death rate among nonwhites in 1988 was the lowest ever recorded -- 12.1. While the number of postneonatal deaths to infants of races other than white in 1988 remained the same as in 1987 (180), the corresponding postneonatal death rate for this group declined to 6.3 from the 6.6 of 1987, directly due to the higher number of births among nonwhites in 1988, compared to 1987. The 1988 infant, neonatal, and postneonatal death rates among races other than white were approximately twice as high as those for whites. Historical data for the years 1980 to 1987 show that this has been the trend in these rates over the years.

Leading Causes of Death

The leading cause of death to Pennsylvania residents continued to be heart disease, which accounted for 47,810 or 38.1 percent of all deaths. The 1988 figure is an increase of 429 deaths from the 47,381 recorded in 1987. However, there was a decrease in the number of resident deaths in 1988 due to malignant neoplasms or cancer compared to 1987. There were 28,316 cancer deaths in 1988. In 1987, there were 28,767. Although the decrease represents only 451 deaths for a 1.6 percent reduction, it also represents the largest annual number and percentage decreases ever recorded (since 1930) for the state and only the sixth year since 1930 in which the number of cancer deaths decreased from a previous year. However, cancer remained, by far, the second most frequent cause of death to residents of the state. The ranking of the three most frequent causes of death -- heart disease, malignant neoplasms (cancer), and cerebrovascular disease (stroke) -- has remained the same since 1945. Together, these three causes accounted for over two-thirds (67.1 percent) of all the deaths in 1988.

Deaths due to unintentional injury were the fourth leading cause of death in 1988. Since 1950, this major cause has held onto the fourth position except in 1986 when chronic obstructive pulmonary disease replaced it. However, with 1988 figures, it again appeared fourth as in 1987, accounting for 4,437 or 3.5 percent of all resident deaths. The fifth leading cause of death in 1988, chronic obstructive pulmonary disease, is a relatively new category that includes bronchitis, emphysema, asthma and allied conditions. The National Center for Health Statistics and state health agencies have been listing this category since the latest revision of the International Classification of Diseases took effect in 1979. Since the late 1970's, medical certifiers have been using the term, chronic obstructive pulmonary disease, on certificates instead of a more specific diagnosis. And, for comparison with mortality statistics reported by other states and the United States, this new category was first introduced in the 1982 report of *Pennsylvania Vital Statistics*. In 1988 and 1987, it accounted for 3.4 percent of all deaths, compared to 3.3 in 1985 and 2.7 in 1982.

Among the causes ranked six through ten, there were no changes in the order from the 1987 list. However, the number of deaths due to septicemia has more than doubled since 1980 and increased by over 4,400 percent since 1950. Nephritis/nephrosis deaths were slightly lower in 1988, the first decrease in the annual number of these types of deaths since 1978. Although not as large and consistent an increase as for septicemia, the number of deaths due to nephritis/nephrosis have been rising since 1978 when there were 528 deaths compared to the 1,605 in 1988, a difference of 204.0 percent. Deaths due to atherosclerosis, perinatal conditions, congenital anomalies, tuberculosis, and syphilis have decreased significantly over the years 1940-1988.

Median Age at Death for Leading Causes

Residents of Pennsylvania who died from homicides and unintentional injuries involving motor vehicles in 1988 had the lowest median age at death among the 18 leading causes, 29.0 and 31.8, respectively. This was consistently true for both sexes and racial breakdowns (white and all other). Other causes with somewhat lower median ages at death included HIV infection (36.1), suicide (40.5), non-motor vehicle, unintentional injuries (63.4), and liver disease/cirrhosis (63.5). The highest median ages at death occurred for atherosclerosis (85.7) and pneumonia/influenza (82.8). Again, this was true of both sexes and racial groups.

The largest difference in median ages between the sexes occurred for deaths due to unintentional injuries, especially non-motor vehicle (48.7 for males, 76.8 for females). However, the age/sex difference for deaths due to unintentional injuries was less evident among races other than white. There were no other large sex differences in median ages at death for the selected causes among the two racial groups.

Cause-Specific Death Rates

Cause-specific death rates for 1988 displayed the prominence of heart disease and malignant neoplasms among the leading causes, with rates of 398.3 and 235.9, respectively, per 100,000 population. While the 1988 heart disease death rate was higher than the 396.9 reported in 1987, the 1988 cancer death rate of 235.9 was lower than the 1987 rate of 241.0, the highest ever recorded for the state. The third highest cause-specific death rate in 1988 was 67.0 for cerebrovascular disease. The death rate for this disease has been on a steady decline since the mid-1970's. The rate for deaths due to unintentional injuries decreased slightly from the 1987 figure of 37.4. In 1988, the rate was 37.0. 1988 is only the second year that data on deaths due to HIV (Human Immunodeficiency Virus) Infection have become available via the certificate of death. Among the 34 major causes listed, HIV Infection placed eighteenth, with a rate of 3.9 per 100,000 population. In 1987, it was twenty-first, with a rate of 3.1.

Leading Causes of Death by Age

For children under 5 years of age, deaths in 1988 were due mainly to perinatal/early infancy conditions (43.6 percent), congenital anomalies/birth defects (20.1 percent), and unintentional injuries (6.4 percent).

Persons 5-24 years of age had both the lowest number and the lowest death rate among the age groups listed. Unintentional injuries caused almost half of all these deaths. Motor vehicle collisions alone accounted for 35.6 percent of the deaths, suicide for 12.9 percent, homicide for 10.5 percent, and malignant neoplasms for 6.9 percent.

Over 21 percent of the deaths to persons 25-44 years of age were from unintended injuries; another 17 percent were from malignant neoplasms; 13.6 percent were from heart disease; and, 10.4 percent from suicide. Also, almost 6 percent of the deaths to this age group were due to HIV infection in 1988, making it the fifth leading cause of death among 25 to 44 year-olds in Pennsylvania that year.

For the age group 45-64, the leading causes of death were malignant neoplasms and heart disease. Together they accounted for over 68 percent of these deaths. Cerebrovascular disease was a distant third at 3.7 percent.

Heart disease accounted for almost 40 percent of the deaths to residents 65-84 years of age, malignant neoplasms for almost 25 percent, and cerebrovascular disease for 6.7 percent.

For the age group 85 and over, 48.3 percent of the deaths were from heart disease compared to 10.2 percent from malignant neoplasms, 9.5 percent from cerebrovascular disease, and 6.2 percent from pneumonia/influenza.

Leading Causes of Death by Sex

Approximately 1,400 males died as a result of motor vehicle collisions, compared to 599 females. Other causes with significant sex differences included suicide (1,210 males versus 269 females), homicide (479 males and 187 females), pneumoconiosis (463 males and 8 females), and HIV infection (428 males and 38 females). There were no female-dominated causes with such dramatic sex difference, although females did outnumber males in causes such as cerebrovascular disease, diabetes mellitus, septicemia, and atherosclerosis. It is interesting to note that most of the causes dominated by males were external causes of injury and poisoning, with the exceptions of pneumoconiosis which is an occupational disease and HIV infection which is a disease predominantly transmitted among homosexual men. However, the female-dominated causes were all chronic diseases mainly associated with the elderly. The number of male deaths outnumbered female deaths in all the age groups except the oldest, 85+. In fact, the number of male deaths under 45 years of age was more than twice the number of female deaths for those ages in 1988. Cause-specific death rates by sex displayed similar patterns.

Leading Causes of Death by Race

In 1988, 39.2 percent of the deaths among whites were due to heart disease, compared to 28.6 percent for all other races. The proportions dying from malignant neoplasms and cerebrovascular disease were similar for both whites and other races. Homicide and perinatal conditions appear in the top ten leading causes for races other than white but not for whites. Instead, nephritis/nephrosis and suicide appear in the top ten leading causes of death among whites. For races other than white aged 5-24, the leading cause was homicide; for whites of these ages, homicide placed fourth, with the leading cause for that group being unintentional injuries. For the age group 45-64, suicide appeared among the top ten for whites; among all other races, suicide was not among the top ten, but nephritis/nephrosis was. HIV infection appeared in the top ten causes of death for whites in the age groups 5-24 and 25-44. However, among races other than white, it appeared in the top ten for the age groups Under 5, 5-24, and 25-44. Cause-specific death rates by race displayed very similar patterns.

Age-Adjusted Death Rates for Leading Causes

In comparing age-adjusted death rates for 16 selected major causes of death for Pennsylvania and the United States in 1988, Pennsylvania's rates for heart disease, malignant neoplasms, diabetes, septicemia, and nephritis/nephrosis were higher than the United States rates but lower for all other causes, especially unintentional injuries homicide, and HIV infection. The 1988 Pennsylvania rates were higher than comparable five-year (1984-88) summary rates for 8 out of the 15 major causes -- unintentional injuries, chronic obstructive pulmonary disease, pneumonia/influenza, diabetes, septicemia, nephritis/nephrosis, suicide, and homicide.

Causes of Death by Type

Infectious and Parasitic Diseases - These deaths occurred at a rate of 23.0 per 100,000 population in 1988, compared to 21.4 in 1987 and 10.3 in 1980 which was less than half the 1988 rate. Septicemia was the underlying cause of death for 68.5 percent of these deaths. HIV infection accounted for almost 17 percent.

Malignant Neoplasms - The number of resident deaths from cancer decreased from 28,767 in 1987 to 28,316 in 1988. Over 56 percent of the cancer deaths in 1988 were due to malignant neoplasms of five sites: trachea, bronchus and lung (26.0 percent), colon (10.9 percent), female breast (9.1 percent), prostate (5.8 percent), and pancreas (4.4 percent). The death rate for malignant neoplasms (235.9 per 100,000 population) was the second highest annual rate ever recorded in Pennsylvania. The highest was the rate of 241.0 for 1987.

Endocrine, Nutritional and Metabolic Diseases, and Immunity Disorders - Of the 3,573 deaths due to these diseases and immunity disorders in 1988, over 73 percent were from diabetes mellitus. The death rate for diabetes was 21.8 per 100,000 population.

Diseases of the Nervous System and Sense Organs - Hereditary and degenerative diseases of the central nervous system, including Tay-Sachs disease among children and Parkinson's disease among the elderly, accounted for 62.7 percent of the deaths in this category. Other disorders of the central nervous system, including multiple sclerosis, infantile cerebral palsy, and epilepsy, made up the other major subdivision, accounting for over 28 percent of the 1,887 deaths in 1988.

Circulatory System - The number of deaths due to these diseases increased from 58,541 in 1987 to 58,907 in 1988. Almost half of these deaths in 1988 were the result of ischemic heart disease, including 15,082 deaths due to acute myocardial infarction. Another category, cerebrovascular disease, accounted for 8,036 deaths or 13.6 percent. Other major categories included cardiac dysrhythmias (5,486 deaths), diseases of the arteries, arterioles and capillaries (2,378 deaths), and hypertensive diseases (1,500 deaths).

Respiratory System - Of the 10,220 resident deaths due to diseases of the respiratory system in 1988, 42.1 percent were due to chronic obstructive pulmonary disease which includes emphysema, asthma and bronchitis. Another 39.0 percent of the deaths were the result of pneumonia/influenza. The number of deaths due to coalworker's pneumoconiosis was 429, a slight decrease from the 464 deaths in 1987 but a significant decrease from the 727 deaths recorded in 1980.

Digestive System - The number of deaths due to diseases of the digestive system during 1988 in Pennsylvania was 4,104. Almost 30 percent (1,226) of these deaths were from chronic liver disease and cirrhosis.

Diseases of the Genitourinary System - Of the 2,627 deaths due to diseases and disorders of the genitourinary system, over 61 percent were due to nephritis, nephrotic syndrome and nephrosis, in most cases, renal failure.

Maternal Deaths - Deaths resulting from complications of pregnancy, childbirth, and the puerperium numbered 8 or 0.5 per 10,000 live births in 1988, the same number and rate that was recorded in 1987 and the second lowest number and rate of maternal deaths ever recorded for the state. The lowest number and rate occurred in 1981 (7 and 0.4).

External Causes of Injury and Poisoning - Of the 6,771 deaths in 1988 due to these causes, 65.5 percent or 4,437 were due to unintentional injuries. Approximately 44 percent or 1,958 of the deaths due to unintentional injuries involved motor vehicles. Other major types of deaths due to unintentional injury included falls (660 deaths), poisoning (442 deaths), submersion/suffocation (358 deaths), and fires ((248 deaths). The next highest number of deaths for all external causes of death was for suicides -- 1,479 or 12.3 per 100,000 population. Homicides increased from 639 in 1987 to 659 (5.5 per 100,000 population) in 1988. As recently as 1985, the number and rate of homicides had been down to 581 and 4.9. Approximately half of the suicides and the homicides involved firearms and explosives. Only 188 resident deaths or 2.8 percent of the deaths in this category were undetermined as unintentionally or purposely inflicted.

Infant Deaths by Cause

Age at Death - The cause of death for infants varied according to the age at death. For neonatal deaths (under 28 days of age), 71.5 percent were the result of perinatal conditions and 22.3 percent were due to congenital anomalies/birth defects. For postneonatal deaths (28-364 days of age), 36.1 percent were the result of sudden infant death syndrome and 15.9 percent were due to congenital anomalies.

Congenital Anomalies - Over 39 percent of the infant deaths in this category were due to congenital anomalies of the circulatory system. Over 15 percent were the result of anomalies of the respiratory system, followed by anomalies of the nervous system with 14.1 percent and chromosomal anomalies (including Down, Patau's, and Edward's Syndromes) with 9.8 percent.

Perinatal Conditions - In 1988, there were 838 infant deaths due to perinatal conditions compared to 1,194 in 1980. Over 65 percent of these types of deaths occurred among infants under 1 day of age. Respiratory distress syndrome and other respiratory conditions of the newborn were responsible for 36.4 percent of these infant deaths; while disorders relating to short gestation and low birth weight accounted for 17.8 percent. Maternal complications of pregnancy (primarily, multiple pregnancy) and complications of placenta, cord, and membrane were responsible for 11.0 percent of the infant deaths.

All Other Causes - Of the 450 infant deaths due to causes other than congenital anomalies and perinatal conditions, half (225) were attributed to sudden infant death syndrome (SIDS). Over 91 percent of the infant deaths due to SIDS occurred during the postneonatal period (28-364 days of age). Figures for all other types of causes in this category were much smaller. They included cardiac dysrhythmias or cardiac arrest with 28 deaths and pneumonia with 22 deaths. Six infant deaths in 1988 were reported to be caused by HIV infection. External causes of injury and poisoning accounted for 42 infant deaths in 1988. Almost 55 percent of these types of deaths were due to two causes -- submersion/suffocation and homicide. Postneonates accounted for 85.1 percent of the infant deaths due to causes other than congenital anomalies and perinatal conditions.

Fetal Deaths

NOTE: In Pennsylvania, a fetal death is required by law to be reported only if the gestational age of the fetus was more than 16 weeks. The data for fetal deaths in this report reflect this legal requirement. See the *Technical Notes* section in the back of this report for further discussion of data on fetal deaths.

The fetal death rate in 1988 was 18.9 per 1,000 deliveries (live births and fetal deaths). In 1987, the rate was 19.4, and, in 1980, 21.3. Approximately 40 percent or 1,271 of the 3,184 reported fetal deaths in 1988 were induced terminations of pregnancy.

Of the 1,913 fetal deaths excluding induced terminations, 584 (30.5 percent) were due to complications of the placenta, cord and membranes; 285 (14.9 percent) to maternal complications of pregnancy; and, 154 (8.1 percent) to disorders relating to short gestation and low birth weight.

PA and U.S. Death Rates by Type

Pennsylvania's death rates due to heart disease, malignant neoplasms, and cerebrovascular disease throughout the period 1950-1988 as compared to the rates for the United States were consistently higher. Pennsylvania had the third highest median age among states in the 1980 U. S. Census. Such an older age distribution is a major factor contributing to higher rates for chronic diseases such as heart disease and cancer. Also, when comparing death rates for external causes for the same period, Pennsylvania's rates for unintentional injuries, suicides, and homicides are consistently lower, especially for homicides. Comparison of death rates for pneumonia and influenza indicate very similar figures over these years. However, since 1986, Pennsylvania's rates have been higher. For the seven major causes of death, trends over the thirty-nine year period were similar in Pennsylvania and the United States.

Leading Causes of Death by Age, Sex and Race

Heart Disease - Ischemic heart disease including acute myocardial infarction accounted for 61.0 percent of all heart disease deaths among Pennsylvania residents in 1988. In 1980, the corresponding percentage was 70.3; in 1985, it was 66.0. In comparing the types of heart disease deaths by sex, more males tended to die from acute myocardial infarction while more females died from other ischemic heart disease, rheumatic heart disease, and heart disease with hypertension.

Malignant Neoplasms - The three major types of cancer deaths among Pennsylvania males in 1988 were those of the respiratory, digestive, and genitourinary systems, in that order. Among females, the top three were cancers of the digestive system, the bone, tissue, skin and breast, and the respiratory system. The respiratory system was the major site of cancer deaths among males aged 45 and older. For females of ages 25-64, malignant neoplasms of the bone, tissue, skin and breast were predominant and digestive system cancers were the major type in females 65 years of age and older. Leukemia was the major type of cancer death for both males and females in the age group 5-24.

In comparing the different sites involved in the cancer death rates by race, the rates were higher among whites for all but one site - the buccal cavity and pharynx. The cancer death rates for leukemia and bone, tissue, skin and breast among whites were 42.7 percent and 27.4 percent higher, respectively, than for all other races.

Unintentional Injury - Over 44 percent of the deaths due to unintentional injury were motor vehicle related. For ages 5 to 74, motor vehicle collision was the leading type of fatal injury. For deaths to children under 5 years of age, the most prevalent type of unintended injury was caused by fires. Among the elderly, 75 years of age and older, falls were the leading cause of deaths due to unintended injury, accounting for 398 or 37.7 percent of the 1,055 deaths.

In making comparisons by sex of the types of deaths due to unintentional injury, males accounted for 66.2 percent of all these deaths. They also represented over 69 percent of the deaths that were motor vehicle related as well as 76.5 percent of deaths due to unintentional poisoning. Male deaths outnumbered female deaths in every major category; however, the figures were almost even for unintentional deaths due to surgical complications.

Pneumonia and Influenza - The number and rate of resident deaths due to pneumonia and influenza have been increasing through much of the 1980's. By 1988, the number (3,990) and rate (33.2) of these types of deaths have become the highest annual figures recorded since 1968. Most of the increases have occurred since 1983.

Suicides - Males accounted for almost 82 percent of all suicide deaths recorded for Pennsylvania residents in 1988. Approximately the same percentages occurred by sex among whites and all other races. The largest number and percentage of total suicides occurred in the ten-year age group 25-34 -- 346 and 23.4 percent. Again, this was true for both sexes and races. Even though the largest numbers of suicides usually occur among the younger age groups, the death rates for suicide are usually higher among the elderly.

Homicides - In 1988, almost 72 percent of the homicides involved males. Figures were similar among the two racial groups of whites and all others. Over 54 percent of the homicides in 1988 were to persons 15-34 years of age. Among whites, the age group 25-34 had the highest number of homicides; however, among all other races, the age group 15-24 had the highest figure. While nonwhites accounted for 9.7 percent of all deaths in 1988, they represented over half (53.6 percent) of all the homicide deaths in 1988.

COUNTIES:

NOTE: County by county comparisons should be made very cautiously. For example, Forest County had the highest death rate in 1988 and Centre County the lowest among the 67 counties. This is a reflection of the size and age of these populations. Forest County had one of the highest median ages (35.5) and Centre County the lowest (24.3), according to 1980 census figures. Forest County is also the least populated county in the state with a 1988 total estimated population of only 4,700. See the *Reliability of Rates* section of the *Technical Notes* in the back of this report for more discussion of small area data analysis.

Total Deaths

Five-year county summary crude death rates for 1984-88 can provide more accurate and useful information. The state/county map of these rates demonstrates that higher death rates occurred in the northeastern and western parts of the state while relatively lower rates occurred in the southcentral part of the state.

Infant Deaths

The five-year summary infant death rates for 1984-88 displayed on a state map of the counties showed that the metropolitan counties containing Philadelphia, Pittsburgh, Harrisburg, and Erie as well as the western part of the state had the highest rates. Five-year summary neonatal death rates by county demonstrated similar patterns.

Age-Adjusted Death Rates

Death rates adjusted for age can be used to obtain a more accurate description of recent mortality experiences and provide a basis for comparison. Five-year summary rates by county also help to diminish the effects of artifically high or low annual incidence that can occur among the less populated counties. Age-adjusted death rates for 1984-88 by county showed Philadelphia County with the highest age-adjusted total death rate in the state at 7.2 deaths per 1,000 population. Eight counties had five-year summary age-adjusted death rates below 5.0 -- Montgomery (4.6), Cumberland and Lancaster (4.7 each), and Centre, Franklin, Northampton, Pike, and York (4.9 each). Philadelphia had the highest 1984-88 age-adjusted death rates for males (9.7) and for females (5.3). This highest rate (5.3) for females was still lower than the lowest five-year age-adjusted death rate for males (6.0). Both Lancaster and Montgomery Counties claimed this rate while Montgomery, again, along with Cumberland and Pike Counties shared the lowest five-year age-adjusted female death rate of 3.6.

Five-year summary age-adjusted death rates for the top four leading causes of death (heart disease, cancer, stroke and unintentional injuries) by county further illustrate the different mortality patterns experienced across the state. A rural, southwestern county (Greene) had the highest five-year summary age-adjusted death rate for heart disease -- 236.2 per 100,000 population -- compared to Montgomery County (a suburban, southeastern county) that had the lowest such rate in the state -- 150.9. Philadelphia County (the largest urban county in the state) had the highest five-year summary age-adjusted cancer death rate with 174.8 per 100,000. Pike County (one of the state's northern rural counties) had the lowest comparable rate -- 110.5.

Deaths by Race

Twelve counties had no resident deaths in 1988 that were of a race other than white. Another thirteen counties had only 1 or 2 such resident deaths in 1988. Six counties (Allegheny, Chester, Dauphin, Delaware, Montgomery, and Philadelphia) accounted for almost 90 percent of the resident deaths to races other than white for Pennsylvania during 1988.

Leading Causes of Death

Over half of the homicide deaths and almost half of the deaths due to HIV Infection in Pennsylvania during 1988 were of residents to Philadelphia. Two counties -- Luzerne and Schuylkill -- accounted for over 61 percent of the deaths from pneumoconosis.

CITIES AND BOROUGHS:

Total Deaths

Of the 27 cities and boroughs examined, Wilkes-Barre had the highest resident death rate in 1988 -- 18.0 per 1,000 population, followed by Hazleton and McKeesport, both with 17.7. Five-year summary death rates for 1984-88 showed McKeesport with the highest rate, followed by Johnstown, Wilkes Barre, Hazleton, and New Castle.

Infant Deaths

West Mifflin had the highest 1988 infant and neonatal death rates. State College had the second highest infant and neonatal death rates for 1988. Plum Borough, with only one resident infant death, had the lowest 1988 infant death rate among the 27 municipalities. In comparing the five-year summary (1984-88) infant and neonatal death rates for the municipalities, Chester had the highest infant death rate at 16.5 per 1,000 live births, followed by Philadelphia with a rate of 16.2 and Norristown with 16.1. The highest five-year summary neonatal death rate belonged to West Mifflin. Bethel Park had the lowest five-year infant and neonatal death rates.

Deaths by Race

Hazleton had no deaths to races other than white in 1988. Plum Borough had only one such death and both Lebanon and State College had two each. Philadelphia and Pittsburgh accounted for almost 75 percent of all non-white deaths in the state during 1988.

Leading Causes of Death

Hazleton and Wilkes Barre had heart disease death rates that were approximately twice as high as the state rate. Among the two major types of deaths due to unintentional injuries (motor-vehicle related and other, such as falls, drownings, etc.), Johnstown had the highest death rate involving motor-vehicle collisions and York had the highest death rate due to other unintentional injuries. Among Johnstown residents, the suicide death rate was 32.9, compared to 12.3 for the state. Sharon had the highest homicide resident death rate with 25.7, based on four deaths. The second highest was Philadelphia with 23.7, based on 391 homicides. Five municipalities experienced no homicides of residents in 1988. Lancaster had the highest death rate for HIV Infection, with nine resident deaths for a rate of 15.3 per 100,000 population. Philadelphia had 219 resident deaths due to HIV Infection and a rate of 13.3, the second highest.

LIST OF DATA TABLES AND ILLUSTRATIONS

MORTALITY DATA TABLES PAGE

Table C-1 Resident Deaths, Live Births, Fetal, Infant, Neonatal, and Maternal Deaths: Pennsylvania, 1950-1988 84

Table C-2 Rates for Deaths, Live Births, Fetal, Infant, Neonatal, and Maternal Deaths: Pennsylvania and United States, 1950-1988 85

Table C-3 Resident Deaths by Age Group, Number and Rate: Pennsylvania, 1988, 1980, 1970, 1960, 1950, 1940 87

Table C-4A Resident Deaths by Age, Race, and Sex, Pennsylvania, 1988 88

Table C-4B Resident Death Rates by Age, Race, and Sex, Pennsylvania, 1988 88

Table C-5 Age-Adjusted Death Rates by Sex, Pennsylvania and United States, 1950, 1960, 1970-1988 89

Table C-6 Age-Adjusted Death Rates by Race, Pennsylvania and United States, 1950, 1960, 1970-1988 90

Table C-7A Resident Infant, Neonatal, and Postneonatal Deaths by Race, Pennsylvania, 1980-1988 92

Table C-7B Resident Infant, Neonatal, and Postneonatal Death Rates by Race, Pennsylvania, 1980-1988 92

Table C-8 Leading Causes of Death, Pennsylvania Residents, 1988, 1980, 1970, 1960, 1950, 1940 94

Table C-9 Median Age at Death for Selected Leading Causes by Race and Sex, Pennsylvania Residents, 1988 96

Table C-10A Selected Causes of Death by Age Group, Number and Rank: Pennsylvania Residents, 1988 97

Table C-10B Selected Causes of Death by Age Group - Males, Number and Rank: Pennsylvania Residents, 1988 98

Table C-10C Selected Causes of Death by Age Group - Females, Number and Rank: Pennsylvania Residents, 1988 99

Table C-10D Selected Causes of Death by Age Group - White Race, Number and Rank: Pennsylvania Residents, 1988 100

Table C-10E Selected Causes of Death by Age Group - For Races Other Than White, Number and Rank: Pennsylvania Residents, 1988 101

Table C-11A Resident Death Rates for Selected Causes of Death by Age Group, Pennsylvania, 1988 102

LIST OF DATA TABLES AND ILLUSTRATIONS

MORTALITY DATA TABLES (CONTINUED) PAGE

Table C-11B Resident Death Rates for Selected Causes of Death by Age Group, Males, Pennsylvania, 1988 103

Table C-11C Resident Death Rates for Selected Causes of Death by Age Group, Females, Pennsylvania, 1988 104

Table C-11D Resident Death Rates for Selected Causes of Death by Age Group, White Race, Pennsylvania, 1988 105

Table C-11E Resident Death Rates for Selected Causes of Death by Age Group, For Races Other Than White, Pennsylvania, 1988 106

Table C-12 Age-Adjusted Death Rates for Selected Causes of Death, Pennsylvania Residents, 1988 and Five Year Summary, 1984-1988 and United States, 1988 107

Table C-13 Resident Deaths by Cause, Number and Rate: Pennsylvania, 1988 108

Table C-14 Resident Infant Deaths by Cause and Age at Death, Number and Rate: Pennsylvania, 1988 118

Table C-15 Resident Fetal Deaths by Cause, Number and Rate: Pennsylvania, 1988 122

Table C-16A Heart Disease Deaths, Number and Rate: Pennsylvania and United States, 1950-1988 123

Table C-16B Resident Heart Disease Deaths by Type and Sex, Number and Percent: Pennsylvania, 1988 124

Table C-17A Malignant Neoplasm Deaths, Number and Rate: Pennsylvania and United States, 1950-1988 125

Table C-17B Resident Malignant Neoplasm Deaths by Type and Age, Males, Pennsylvania, 1988 126

Table C-17C Resident Malignant Neoplasm Deaths by Type and Age, Females, Pennsylvania, 1988 126

Table C-17D Resident Malignant Neoplasm Deaths by Type and Race, Number and Rate: Pennsylvania, 1988 128

Table C-18A Deaths Due to Unintentional Injury, Number and Rate: Pennsylvania and United States, 1950-1988 129

Table C-18B Resident Deaths Due to Unintentional Injury by Type and Age, Pennsylvania, 1988 130

LIST OF DATA TABLES AND ILLUSTRATIONS

MORTALITY DATA TABLES (CONTINUED) PAGE

Table C-18C Resident Deaths Due to Unintentional Injury by Type and Sex, Number and Percent: Pennsylvania, 1988 130

Table C-19 Cerebrovascular Disease Deaths, Number and Rate: Pennsylvania and United States, 1950-1988 132

Table C-20 Pneumonia and Influenza Deaths, Number and Rate: Pennsylvania and United States, 1950-1988 133

Table C-21A Suicide Deaths, Number and Rate: Pennsylvania and United States, 1950-1988 134

Table C-21B Resident Suicide Deaths by Age, Race, and Sex, Pennsylvania, 1988 135

Table C-22A Homicide Deaths, Number and Rate: Pennsylvania and United States, 1950-1988 136

Table C-22B Resident Homicide Deaths by Age, Race, and Sex, Pennsylvania, 1988 137

Table C-23 Resident Live Births, All Deaths, Infant, Neonatal, and Fetal Deaths by County, Number and Rate: Pennsylvania, 1988 138

Table C-24 Resident Deaths, Infant, and Neonatal Deaths by County, Number and Rate: Pennsylvania, Five Year Summary, 1984-1988 139

Table C-25 Age-Adjusted Death Rates by Sex and County, Pennsylvania Residents, 1988 and Five Year Summary, 1984-1988 142

Table C-26 Age-Adjusted Death Rates for Selected Causes of Death by County, Pennsylvania Residents, Five Year Summary, 1984-1988 145

Table C-27 Resident Deaths by Age Group and County, Pennsylvania, 1988 146

Table C-28 Resident Deaths by Sex, Race and County, Pennsylvania, 1988 148

Table C-29 Selected Causes of Death by County, Number and Rate: Pennsylvania Residents, 1988 150

Table C-30 Resident Live Births, All Deaths, Infant, Neonatal, and Fetal Deaths for Selected Municipalities, Number and Rate: Pennsylvania, 1988 168

Table C-31 Resident Deaths, Infant, and Neonatal Deaths for Selected Municipalities, Number and Rate: Pennsylvania, Five Year Summary, 1984-1988 170

Table C-32 Resident Deaths by Age Group and Selected Municipalities, Pennsylvania, 1988 173

LIST OF DATA TABLES AND ILLUSTRATIONS

MORTALITY DATA TABLES (CONTINUED) PAGE

Table C-33 Resident Deaths by Sex and Race for Selected Municipalities, Pennsylvania, 1988 174

Table C-34 Selected Causes of Death by Selected Municipalities, Number and Rate: Pennsylvania Residents, 1988 175

MORTALITY DATA ILLUSTRATIONS PAGE

Figure C-1 Crude Death Rates, Pennsylvania and United States, 1950-1988 86

Figure C-2 Infant and Neonatal Death Rates, Pennsylvania and United States, 1950-1988 86

Figure C-3 Resident Deaths, Percent by Age Group, Pennsylvania, 1940,1950, 1960, 1970, 1980, and 1988 87

Figure C-4 Age-Adjusted Death Rates by Sex, Pennsylvania and United States, 1970-1988 89

Figure C-5 Age-Adjusted Death Rates by Race, Pennsylvania and United States, 1970-1988 90

Figure C-6 Vital Events Summary Chart, Pennsylvania Residents, 1988 91

Figure C-7A Resident Infant, Neonatal, and Postneonatal Death Rates, Pennsylvania, 1980-1988 93

Figure C-7B Resident Infant, Neonatal, and Postneonatal Death Rates by Race, Pennsylvania, 1988 93

Figure C-8 Resident Deaths, Percent by Five Leading Causes, Pennsylvania, 1988 and 1940 95

Figure C-9 Heart Disease Death Rates, Pennsylvania and United States, 1950-1988 123

Figure C-10 Resident Heart Disease Deaths, Percent by Type, Pennsylvania, 1988 124

Figure C-11 Malignant Neoplasm Death Rates, Pennsylvania and United States, 1950-1988 125

Figure C-12 Resident Malignant Neoplasm Deaths by Sex, Percent by Type, Pennsylvania, 1988 127

Figure C-13 Resident Malignant Neoplasm Deaths, Percent by Type, Pennsylvania, 1988 128

LIST OF DATA TABLES AND ILLUSTRATIONS

MORTALITY DATA ILLUSTRATIONS (CONTINUED)

		PAGE
Figure C-14	Unintentional Injury Death Rates, Pennsylvania and United States, 1950-1988	129
Figure C-15	Resident Deaths Due to Unintentional Injury, Percent by Age Group, Pennsylvania, 1988	131
Figure C-16	Resident Deaths Due to Unintentional Injury, Percent by Type, Pennsylvania, 1988	131
Figure C-17	Cerebrovascular Disease Death Rates, Pennsylvania and United States, 1950-1988	132
Figure C-18	Pneumonia and Influenza Death Rates, Pennsylvania and United States, 1950-1988	133
Figure C-19	Suicide Death Rates, Pennsylvania and United States, 1950-1988	134
Figure C-20	Resident Suicide Deaths, Percent by Age Group, Pennsylvania, 1988	135
Figure C-21	Homicide Death Rates, Pennsylvania and United States, 1950-1988	136
Figure C-22	Resident Homicide Deaths, Percent by Age Group, Pennsylvania, 1988	137
Figure C-23	State Map: Resident Crude Death Rates by County, Pennsylvania, 1988	140
Figure C-24	State Map: Resident Crude Death Rates by County, Pennsylvania, Five Year Summary, 1984-1988	140
Figure C-25	State Map: Resident Infant Death Rates by County, Pennsylvania, Five Year Summary, 1984-1988	141
Figure C-26	State Map: Resident Neonatal Death Rates by County, Pennsylvania, Five Year Summary, 1984-1988	141
Figure C-27	State Map: Age-Adjusted Death Rates by County, Pennsylvania Residents, 1988	144
Figure C-28	State Map: Age-Adjusted Death Rates by County, Pennsylvania Residents, Five Year Summary, 1984-1988	144
Figure C-29	Resident Crude Death Rates by Selected Municipalities, Pennsylvania, 1988	169
Figure C-30	Resident Crude Death Rates by Selected Municipalities, Pennsylvania, Five Year Summary, 1984-1988	171
Figure C-31	Resident Infant Death Rates by Selected Municipalities, Pennsylvania, Five Year Summary, 1984-1988	172

TABLE C-1
RESIDENT DEATHS, LIVE BIRTHS, FETAL, INFANT, NEONATAL, AND MATERNAL DEATHS: PENNSYLVANIA, 1950-1988

	TOTAL DEATHS	LIVE BIRTHS	FETAL DEATHS	INFANT DEATHS	NEONATAL DEATHS	MATERNAL DEATHS
YEAR	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1988	125,337	165,169	3,184	1,615	1,092	8
1987	124,986	162,348	3,212	1,654	1,164	8
1986	123,852	160,336	3,026	1,628	1,084	14
1985	123,233	160,001	3,015	1,734	1,201	11
1984	121,358	156,799	3,141	1,634	1,129	12
1983	121,066	157,810	3,198	1,764	1,229	10
1982	118,450	161,561	3,193	1,853	1,320	8
1981	119,612	160,179	3,061	1,902	1,357	7
1980	123,233	158,670	3,455	2,095	1,529	12
1979	117,097	157,533	3,608	2,118	1,548	12
1978	119,279	151,438	4,034	2,031	1,540	19
1977	118,853	153,415	4,058	2,137	1,608	19
1976	120,882	148,004	4,349	2,276	1,746	26
1975	120,459	148,942	3,848	2,423	1,855	10
1974	122,943	151,458	4,372	2,584	2,013	11
1973	126,483	153,272	4,229	2,607	1,980	21
1972	127,136	163,110	3,768	2,912	2,244	20
1971	126,597	180,939	4,079	3,314	2,548	36
1970	126,564	192,154	4,495	3,879	3,027	40
1969	126,704	185,046	3,668	3,865	3,003	37
1968	130,802	185,729	3,539	4,015	3,154	33
1967	125,494	188,706	3,589	4,158	3,261	48
1966	126,820	195,869	3,765	4,323	3,354	50
1965	125,670	204,105	3,922	4,737	3,592	44
1964	123,845	218,515	4,258	5,029	3,869	62
1963	126,199	221,537	4,329	5,178	3,979	69
1962	122,989	226,393	4,398	5,370	4,135	60
1961	120,543	240,172	4,646	5,639	4,357	71
1960	121,163	241,099	4,525	5,921	4,557	76
1959	119,206	246,615	4,666	6,145	4,725	71
1958	118,360	249,810	4,901	6,360	4,918	86
1957	118,734	254,997	4,977	6,240	4,785	78
1956	114,578	248,019	4,861	6,086	4,667	90
1955	113,458	242,591	4,939	5,962	4,649	94
1954	108,783	245,521	4,931	6,123	4,686	103
1953	112,574	239,206	4,321	6,147	4,640	132
1952	111,156	239,964	4,584	6,273	4,589	147
1951	111,426	235,074	4,596	6,117	4,618	151
1950	110,212	221,635	4,418	6,126	4,578	170

TABLE C-2
RATES* FOR DEATHS, LIVE BIRTHS, FETAL, INFANT, NEONATAL, AND MATERNAL DEATHS: PENNSYLVANIA AND UNITED STATES, 1950-1988

	TOTAL DEATH RATE		LIVE BIRTH RATE		FETAL DEATH RATE		INFANT DEATH RATE		NEONATAL DEATH RATE		MATERNAL DEATH RATE	
YEAR	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.	PA	U.S.
1988	10.4	8.8**	13.8	15.9**	18.9	***	9.8	9.9**	6.6	6.4**	0.5	0.8**
1987	10.5	8.7	13.6	15.7	19.4	***	10.2	10.1	7.2	6.5	0.5	0.7
1986	10.4	8.7	13.5	15.6	18.5	***	10.2	10.4	6.8	6.7	0.9	0.7
1985	10.4	8.7	13.5	15.8	18.5	***	10.8	10.6	7.5	7.0	0.7	0.8
1984	10.2	8.6	13.2	15.5	19.6	***	10.4	10.8	7.2	7.0	0.8	0.8
1983	10.2	8.6	13.3	15.5	19.9	***	11.2	11.2	7.8	7.3	0.6	0.8
1982	10.0	8.5	13.6	15.9	19.4	***	11.5	11.5	8.2	7.7	0.5	0.8
1981	10.1	8.6	13.5	15.8	18.8	***	11.9	11.9	8.5	8.0	0.4	0.9
1980	10.4	8.8	13.4	15.9	21.3	***	13.2	12.6	9.6	8.5	0.8	0.9
1979	10.0	8.5	13.4	15.6	22.4	***	13.4	13.1	9.8	8.9	0.8	1.0
1978	10.2	8.7	12.9	15.0	25.9	***	13.4	13.8	10.2	9.5	1.3	1.0
1977	10.0	8.6	13.0	15.1	25.8	***	13.9	14.1	10.4	9.9	1.2	1.1
1976	10.2	8.8	12.5	14.6	28.5	***	15.4	15.2	11.8	10.9	1.8	1.2
1975	10.2	8.8	12.6	14.6	25.2	***	16.3	16.1	12.5	11.6	0.7	1.3
1974	10.4	9.1	12.8	14.8	28.1	***	17.1	16.7	13.3	12.3	0.7	1.5
1973	10.6	9.3	12.9	14.8	26.9	***	17.0	17.7	12.9	13.0	1.4	1.5
1972	10.7	9.4	13.7	15.6	22.6	***	17.9	18.5	13.8	13.6	1.2	1.9
1971	10.7	9.3	15.1	17.2	22.0	***	18.3	19.1	14.1	14.2	2.0	1.9
1970	10.7	9.5	16.3	18.4	22.9	***	20.2	20.0	15.8	15.1	2.1	2.2
1969	10.7	9.5	15.7	17.9	19.4	***	20.9	20.9	16.2	15.6	2.0	2.2
1968	11.1	9.7	15.8	17.6	18.7	***	21.6	21.8	17.0	16.1	1.8	2.5
1967	10.8	9.4	16.2	17.8	18.7	***	22.0	22.4	17.3	16.5	2.5	2.8
1966	10.9	9.5	16.8	18.4	18.9	***	22.1	23.7	17.1	17.2	2.5	2.9
1965	10.9	9.4	17.7	19.4	18.9	***	23.2	24.7	17.6	17.7	2.2	3.2
1964	10.8	9.4	19.1	21.1	19.1	***	23.0	24.8	17.7	17.9	2.8	3.3
1963	11.0	9.6	19.4	21.7	19.2	***	23.4	25.2	17.5	18.2	3.1	3.6
1962	10.8	9.5	19.9	22.4	19.1	***	23.7	25.3	18.2	18.3	2.7	3.5
1961	10.5	9.3	20.9	23.3	19.0	***	23.5	25.3	18.1	18.4	3.0	3.7
1960	10.7	9.5	21.3	23.7	18.4	***	24.6	26.0	18.9	18.7	3.2	3.7
1959	10.5	9.4	21.8	24.2	18.6	***	24.9	26.4	19.2	19.0	2.9	3.7
1958	10.7	9.5	22.5	24.5	19.2	***	25.5	27.1	19.7	19.5	3.4	3.8
1957	10.6	9.6	22.8	25.3	19.1	***	24.5	26.3	18.8	19.1	3.1	4.1
1956	10.3	9.4	22.3	25.2	19.2	***	24.5	26.0	18.8	18.9	3.6	4.1
1955	10.2	9.3	21.8	25.0	20.0	***	24.6	26.4	19.2	19.1	3.9	4.7
1954	10.0	9.2	22.5	25.3	19.7	***	24.9	26.6	19.1	19.1	4.2	5.2
1953	10.4	9.6	22.1	25.1	17.7	***	25.7	27.8	19.4	19.6	5.5	6.1
1952	10.4	9.6	22.4	25.1	18.7	***	26.1	28.4	19.1	19.8	6.1	6.8
1951	10.5	9.7	22.2	24.9	19.2	***	26.0	28.4	19.6	20.0	6.4	7.5
1950	10.5	9.6	21.1	24.1	19.5	***	27.6	29.2	20.6	20.5	7.7	8.3

* TOTAL DEATH AND LIVE BIRTH RATES PER 1,000 POPULATION.
FETAL DEATH RATE PER 1,000 DELIVERIES (LIVE BIRTHS + FETAL DEATHS).
INFANT AND NEONATAL DEATH RATE PER 1,000 LIVE BIRTHS.
MATERNAL DEATH RATE PER 10,000 LIVE BIRTHS.
** PROVISIONAL DATA.
***COMPARABLE UNITED STATES FETAL DEATH RATES ARE NOT AVAILABLE.

FIGURE C-1
CRUDE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

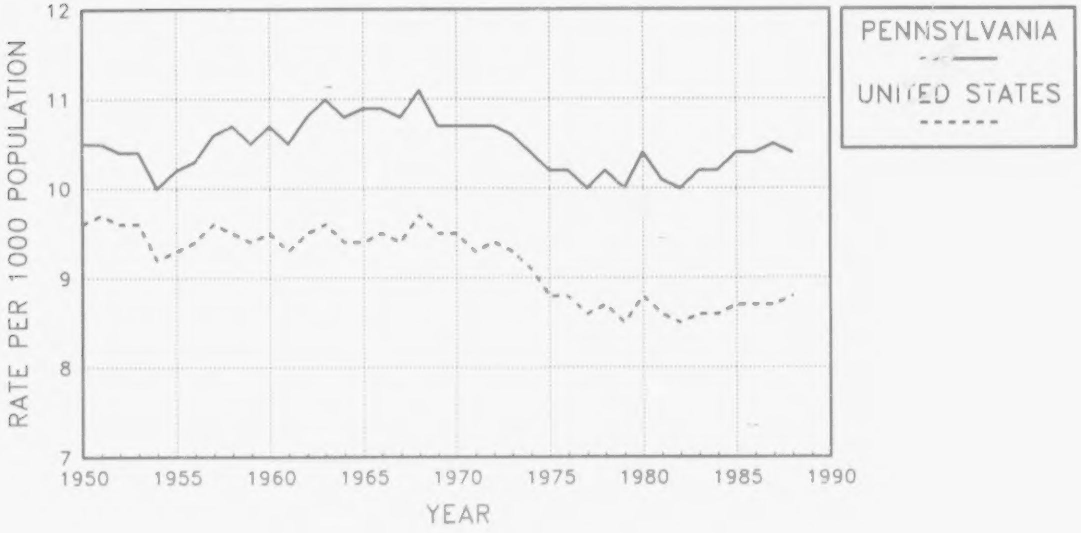


FIGURE C-2
INFANT AND NEONATAL DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

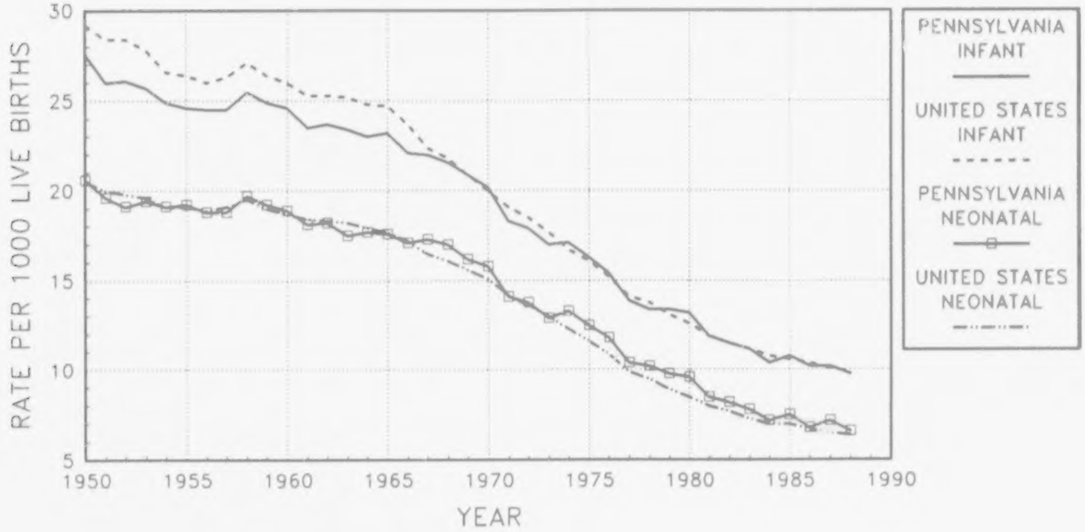


TABLE C-3
RESIDENT DEATHS BY AGE GROUP, NUMBER AND RATE*: PENNSYLVANIA, 1988, 1980, 1970, 1960, 1950, 1940

AGE GROUP (IN YEARS)	1988		1980		1970		1960		1950		1940	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	125,337	10.4	123,233	10.4	126,564	10.7	121,163	10.7	110,212	10.5	111,977	11.3
UNDER 5	1,926	2.4	2,435	3.3	4,430	4.8	6,746	5.7	7,107	6.9	8,745	12.0
5-9	186	0.2	222	0.3	468	0.4	482	0.4	459	0.5	792	1.0
10-14	165	0.2	229	0.2	424	0.4	378	0.4	392	0.5	833	0.9
15-19	588	0.7	879	0.8	945	0.9	588	0.7	645	0.9	1,359	1.4
20-24	941	1.0	1,251	1.2	1,104	1.3	620	1.0	961	1.2	1,832	2.0
25-29	1,093	1.1	1,058	1.1	863	1.2	674	1.0	1,187	1.4	2,068	2.5
30-34	1,294	1.3	1,069	1.3	934	1.5	1,026	1.3	1,499	1.8	2,346	3.1
35-39	1,540	1.7	1,154	1.7	1,398	2.2	1,809	2.2	2,109	2.6	2,925	4.2
40-44	1,721	2.2	1,573	2.7	2,625	3.5	2,829	3.6	3,244	4.5	4,001	6.1
45-49	2,307	3.6	2,714	4.5	4,372	5.6	4,464	6.0	4,632	7.3	5,854	9.2
50-54	3,336	5.9	4,868	7.0	6,630	9.0	6,354	9.8	6,514	10.9	7,809	13.9
55-59	5,668	9.7	7,826	11.0	9,412	14.3	8,488	14.9	9,235	17.2	9,320	20.5
60-64	9,905	16.2	11,226	17.7	12,115	21.6	11,863	24.1	11,760	26.0	11,150	30.3
65-69	13,701	25.3	14,379	26.8	14,393	32.6	15,255	35.4	13,617	37.6	12,688	44.4
70-74	17,112	39.2	16,533	40.6	16,871	48.3	17,124	52.6	14,282	57.5	13,129	66.4
75-79	18,815	57.5	17,174	60.9	18,313	74.3	16,437	79.8	13,466	86.9	11,917	105.0
80-84	18,110	85.8	16,393	93.7	15,772	109.5	13,483	127.4	10,565	128.3	8,803	157.1
85+ **	26,929	117.4	22,250	171.2	15,495	169.2	12,543	206.5	8,538	217.1	6,406	260.8

* RATE PER 1,000 POPULATION IN EACH AGE GROUP.
**UNKNOWN AGE INCLUDED IN THE 85+ AGE GROUP.

FIGURE C-3
RESIDENT DEATHS, PERCENT BY AGE GROUP PENNSYLVANIA, 1940, 1950, 1960, 1970, 1980, AND 1988

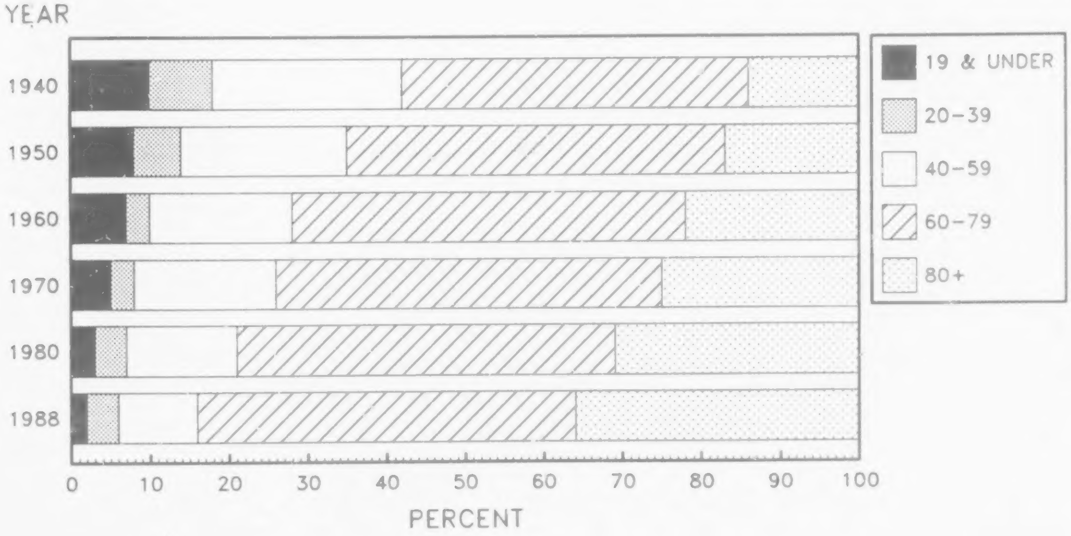


TABLE C-4A
RESIDENT DEATHS BY AGE, RACE, AND SEX
PENNSYLVANIA, 1988

AGE GROUP (IN YEARS)	ALL RACES			WHITE*			ALL OTHER RACES		
	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL AGES	125,337	63,226	62,111	113,214	56,718	56,496	12,123	6,508	5,615
UNDER 5	1,926	1,080	846	1,334	771	563	592	309	283
5-9	186	111	75	147	85	62	39	26	13
10-14	165	116	49	126	93	33	39	23	16
15-19	588	419	169	471	333	138	117	86	31
20-24	941	720	221	766	586	180	175	134	41
25-29	1,093	818	275	862	646	216	231	172	59
30-34	1,294	912	382	1,007	716	291	287	196	91
35-39	1,540	1,051	489	1,161	786	375	379	265	114
40-44	1,721	1,141	580	1,374	913	461	347	228	119
45-49	2,307	1,448	859	1,851	1,160	691	456	288	168
50-54	3,336	2,023	1,313	2,758	1,684	1,074	578	339	239
55-59	5,668	3,539	2,129	4,846	3,039	1,807	822	500	322
60-64	9,905	6,006	3,899	8,640	5,261	3,379	1,265	745	520
65-69	13,701	8,055	5,646	12,300	7,242	5,058	1,401	813	588
70-74	17,112	9,487	7,625	15,730	8,788	6,942	1,382	699	683
75-79	18,815	9,608	9,207	17,380	8,926	8,454	1,435	682	753
80-84	18,110	8,061	10,049	16,965	7,575	9,390	1,145	486	659
85+ ***	26,929	8,631	18,298	25,496	8,114	17,382	1,433	517	916

TABLE C-4B
RESIDENT DEATH RATES BY AGE, RACE, AND SEX
PENNSYLVANIA, 1988

AGE GROUP (IN YEARS)	ALL RACES			WHITE*			ALL OTHER RACES		
	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL AGES	10.4	11.0	9.9	10.5	11.0	10.1	9.7	11.2	8.4
UNDER 5	2.4	2.6	2.1	1.9	2.2	1.7	5.0	5.1	4.8
5-9	0.2	0.3	0.2	0.2	0.2	0.2	0.4	0.5	0.3
10-14	0.2	0.3	0.1	0.2	0.3	0.1	0.4	0.5	0.3
15-19	0.7	0.9	0.4	0.6	0.8	0.4	1.1	1.6	0.6
20-24	1.0	1.5	0.5	0.9	1.4	0.4	1.5	2.4	0.7
25-29	1.1	1.7	0.6	1.0	1.5	0.5	2.0	3.0	1.0
30-34	1.3	1.9	0.8	1.1	1.6	0.7	2.7	4.0	1.6
35-39	1.7	2.4	1.1	1.4	2.0	0.9	4.3	6.6	2.4
40-44	2.2	3.0	1.5	2.0	2.7	1.3	4.7	6.8	2.9
45-49	3.6	4.8	2.6	3.2	4.2	2.3	7.6	11.2	4.9
50-54	5.9	7.5	4.4	5.3	6.8	4.0	11.0	15.2	7.9
55-59	9.7	13.0	6.8	9.1	12.1	6.4	16.5	24.0	11.1
60-64	16.2	21.6	11.7	15.3	20.3	11.0	26.8	38.3	18.8
65-69	25.3	34.2	18.4	24.4	33.0	17.8	36.3	51.8	25.7
70-74	39.2	53.4	29.5	38.6	52.8	28.8	48.0	62.7	38.7
75-79	57.5	77.4	45.4	56.9	76.7	44.7	66.7	86.9	55.1
80-84	85.8	109.1	73.2	86.1	110.0	73.3	80.3	96.4	71.5
85+ ***	117.4	116.4	117.9	119.8	118.4	120.4	87.2	92.1	84.7

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 85+ AGE GROUP.

NOTE: RATES PER 1,000 ESTIMATED 1988 POPULATION FOR EACH RACE AND SEX BY AGE GROUP.

TABLE C-5
AGE-ADJUSTED DEATH RATES* BY SEX, PENNSYLVANIA AND UNITED STATES, 1950, 1960, 1970-1988

	PENNSYLVANIA			UNITED STATES		
YEAR	TOTAL	MALE**	FEMALE	TOTAL	MALE	FEMALE
1988	5.5	7.2	4.1	5.4***	7.0***	4.0***
1987	5.6	7.2	4.2	5.4***	7.0***	4.0***
1986	5.5	7.2	4.2	5.4	7.1	4.1
1985	5.6	7.4	4.2	5.5	7.2	4.1
1984	5.6	7.4	4.2	5.5	7.2	4.1
1983	5.7	7.5	4.3	5.5	7.3	4.1
1982	5.7	7.3	4.1	5.5	7.3	4.1
1981	5.9	7.7	4.4	5.7	7.5	4.2
1980	6.1	8.2	4.6	5.9	7.8	4.3
1979	6.0	8.0	4.4	5.8	7.7	4.2
1978	6.2	8.2	4.6	6.0	7.9	4.4
1977	6.3	8.4	4.7	6.0	8.0	4.4
1976	6.5	8.6	4.7	6.2	8.2	4.6
1975	6.6	8.7	4.9	6.3	8.4	4.6
1974	6.8	9.0	5.1	6.6	8.7	4.9
1973	7.1	9.4	5.3	6.9	9.1	5.1
1972	7.2	9.5	5.4	7.0	9.2	5.2
1971	7.3	9.5	5.5	7.0	9.1	5.2
1970	7.5	9.6	5.7	7.1	9.3	5.3
1960	8.0	9.9	6.7	7.6	9.5	5.9
1950	8.9	10.5	7.5	8.4	10.0	6.9

* AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES ARE PER 1,000 POPULATION.

** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

***PROVISIONAL.

NOTE: THE AGE-ADJUSTED RATES BY SEX FOR PENNSYLVANIA THAT APPEARED IN THE 1985, 1986 AND 1987 EDITIONS OF "PENNSYLVANIA VITAL STATISTICS" ARE INCORRECT. THE AGE-ADJUSTED RATES BY SEX FOR THE STATE LISTED ABOVE FOR THE YEARS 1950-1987 SHOULD BE USED IN PLACE OF THOSE PREVIOUSLY PUBLISHED FIGURES.

FIGURE C-4
AGE-ADJUSTED DEATH RATES BY SEX PENNSYLVANIA AND UNITED STATES, 1970-1988

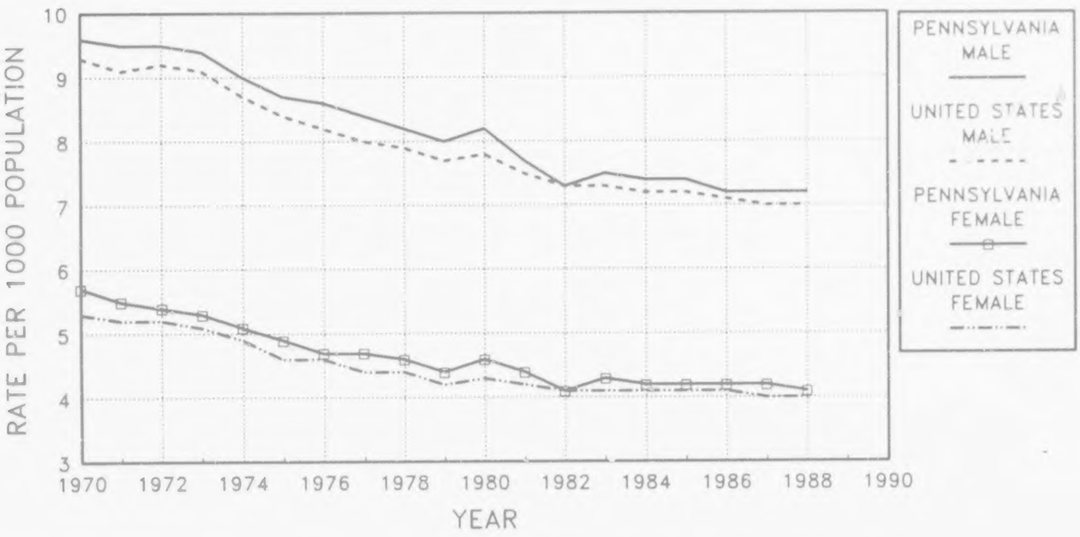


TABLE C-6
AGE-ADJUSTED DEATH RATES* BY RACE,
PENNSYLVANIA AND UNITED STATES, 1950, 1960, 1970-1988

	PENNSYLVANIA			UNITED STATES		
YEAR	ALL RACES	WHITE**	ALL OTHER RACES	ALL RACES	WHITE	ALL OTHER RACES
1988	5.5	5.2	7.8	5.4***	5.1***	6.7***
1987	5.6	5.3	7.8	5.4***	5.1***	6.7***
1986	5.5	5.3	7.7	5.4	5.2	6.9
1985	5.6	5.4	7.7	5.5	5.2	7.0
1984	5.6	5.4	7.8	5.5	5.2	6.9
1983	5.7	5.5	7.5	5.5	5.3	7.0
1982	5.7	5.5	7.7	5.5	5.3	7.0
1981	5.9	5.6	7.9	5.7	5.4	7.3
1980	6.1	5.9	8.4	5.9	5.6	7.7
1979	6.0	5.7	8.0	5.8	5.5	7.6
1978	6.2	6.0	8.5	6.0	5.7	7.8
1977	6.3	6.0	9.0	6.0	5.8	8.0
1976	6.5	6.2	9.0	6.2	5.9	8.2
1975	6.6	6.3	9.2	6.3	6.0	8.4
1974	6.8	6.5	9.8	6.6	6.3	8.9
1973	7.1	6.8	10.2	6.9	6.5	9.4
1972	7.2	6.9	10.6	7.0	6.6	9.6
1971	7.3	7.0	10.6	7.0	6.6	9.6
1970	7.5	7.1	10.8	7.1	6.8	9.8
1960	8.0	7.8	10.6	7.6	7.3	10.5
1950	8.9	8.7	13.2	8.4	8.0	12.3

* AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES ARE PER 1,000 POPULATION.
** UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
***PROVISIONAL.

NOTE: THE AGE-ADJUSTED RATES BY RACE FOR PENNSYLVANIA THAT APPEARED IN THE 1986 AND 1987 EDITIONS OF "PENNSYLVANIA VITAL STATISTICS" ARE INCORRECT. THE AGE-ADJUSTED RATES BY RACE FOR THE STATE LISTED ABOVE FOR THE YEARS 1950-1987 SHOULD BE USED IN PLACE OF THOSE PREVIOUSLY PUBLISHED FIGURES.

FIGURE C-5
AGE-ADJUSTED DEATH RATES BY RACE
PENNSYLVANIA AND UNITED STATES, 1970-1988

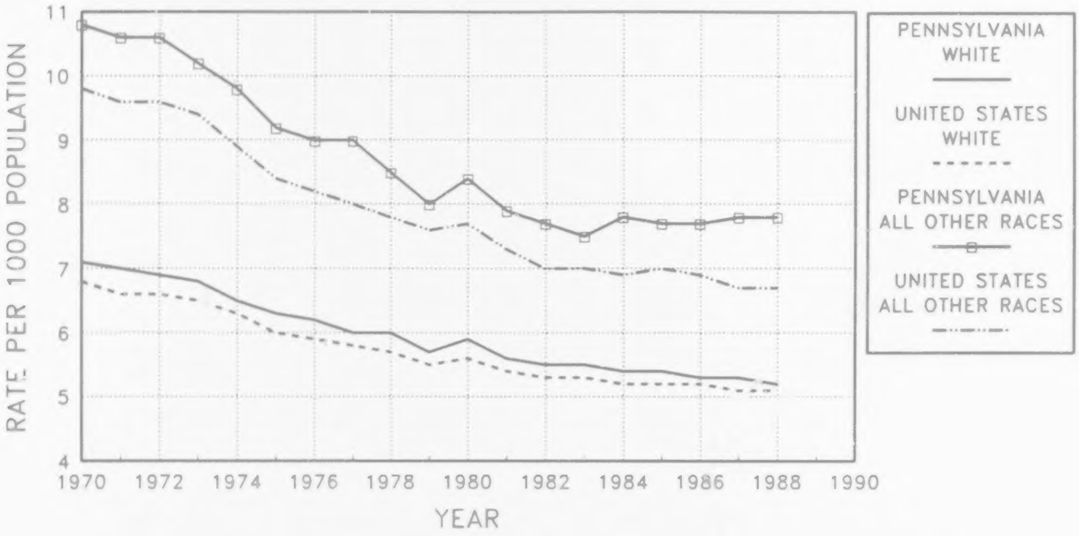


FIGURE C-6
VITAL EVENTS SUMMARY CHART

THE FOLLOWING FIGURES REPRESENT AN AVERAGE DAY OF VITAL EVENTS IN 1988 FOR PENNSYLVANIA RESIDENTS:

ESTIMATED POPULATION AS OF JULY 1, 1988 12,002,236

	NUMBER PER DAY
LIVE BIRTHS	451
DEATHS	342
ABORTIONS*	139
MARRIAGES*	240
DIVORCES*	107

BY AGE AT DEATH**	NUMBER PER DAY
LESS THAN 28 DAYS	3
28-364 DAYS	1
1-19 YEARS	3
20-34 YEARS	9
35-49 YEARS	15
50-64 YEARS	52
65-74 YEARS	84
75 AND OVER	174

BY CAUSE OF DEATH	NUMBER PER DAY
HEART DISEASE	131
CANCER	77
CEREBROVASCULAR DISEASE	22
UNINTENTIONAL INJURIES	12
MOTOR VEHICLE	5
NON-MOTOR VEHICLE	7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	12
PNEUMONIA AND INFLUENZA	11
DIABETES MELLITUS	7
SEPTICEMIA	5
NEPHRITIS, NEPHROSIS, ETC.	4
SUICIDE	4
ALL OTHER CAUSES	57

---

* FIGURES FOR ABORTIONS, MARRIAGES AND DIVORCES ARE OCCURRENCE DATA.

** COLUMN DOES NOT EQUAL TOTAL DEATHS PER DAY DUE TO ROUNDING.

TABLE C-7A
RESIDENT INFANT, NEONATAL, AND POSTNEONATAL DEATHS BY RACE
PENNSYLVANIA, 1980-1988

	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
YEAR	ALL RACES	WHITE*	ALL OTHER RACES	ALL RACES	WHITE*	ALL OTHER RACES	ALL RACES	WHITE*	ALL OTHER RACES
1988	1,615	1,090	525	1,092	747	345	523	343	180
1987	1,654	1,100	554	1,164	790	374	490	310	180
1986	1,628	1,154	474	1,084	764	320	544	390	154
1985	1,734	1,276	458	1,201	896	305	533	380	153
1984	1,634	1,186	448	1,129	822	307	505	364	141
1983	1,764	1,325	439	1,229	932	297	535	393	142
1982	1,853	1,413	440	1,320	1,024	296	533	389	144
1981	1,902	1,465	437	1,357	1,059	298	545	406	139
1980	2,095	1,620	475	1,529	1,204	325	566	416	150

TABLE C-7B
RESIDENT INFANT, NEONATAL, AND POSTNEONATAL DEATH RATES** BY RACE
PENNSYLVANIA, 1980-1988

	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
YEAR	ALL RACES	WHITE*	ALL OTHER RACES	ALL RACES	WHITE*	ALL OTHER RACES	ALL RACES	WHITE*	ALL OTHER RACES
1988	9.8	8.0	18.4	6.6	5.5	12.1	3.2	2.5	6.3
1987	10.2	8.1	20.4	7.2	5.8	13.8	3.0	2.3	6.6
1986	10.2	8.6	18.3	6.8	5.7	12.4	3.4	2.9	6.0
1985	10.8	9.4	18.8	7.5	6.6	12.5	3.3	2.8	6.3
1984	10.4	8.8	20.0	7.2	6.1	13.7	3.2	2.7	6.3
1983	11.2	9.8	19.4	7.8	6.9	13.1	3.4	2.9	6.3
1982	11.5	10.2	19.2	8.2	7.4	12.9	3.3	2.8	6.3
1981	11.9	10.6	19.3	8.5	7.7	13.2	3.4	3.0	6.1
1980	13.2	11.8	21.9	9.6	8.8	15.0	3.6	3.0	6.9

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
**RATE PER 1,000 LIVE BIRTHS FOR EACH RACE.

FIGURE C-7A
RESIDENT INFANT, NEONATAL, AND POSTNEONATAL
DEATH RATES, PENNSYLVANIA, 1980-1988

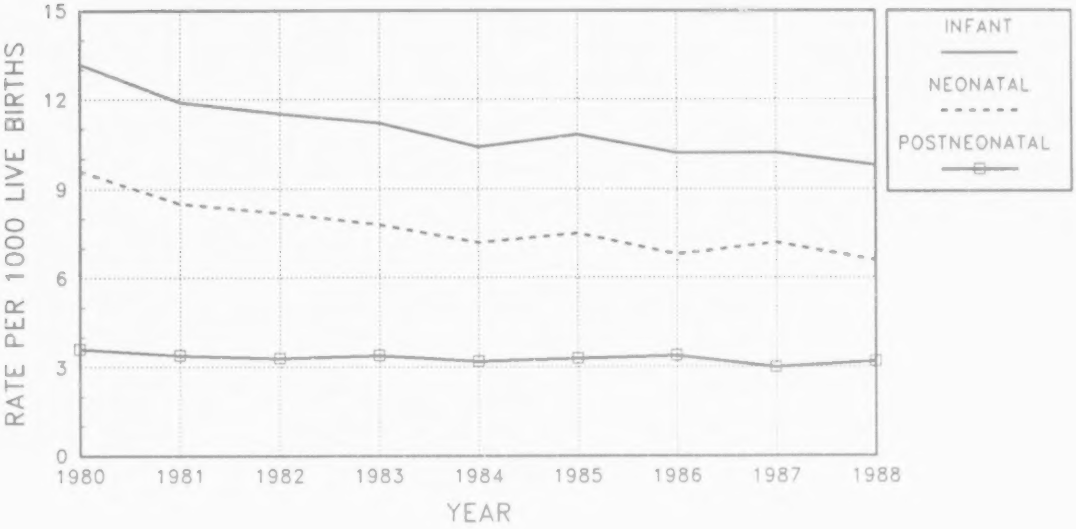


FIGURE C-7B
RESIDENT INFANT, NEONATAL, AND POSTNEONATAL
DEATH RATES BY RACE, PENNSYLVANIA, 1988

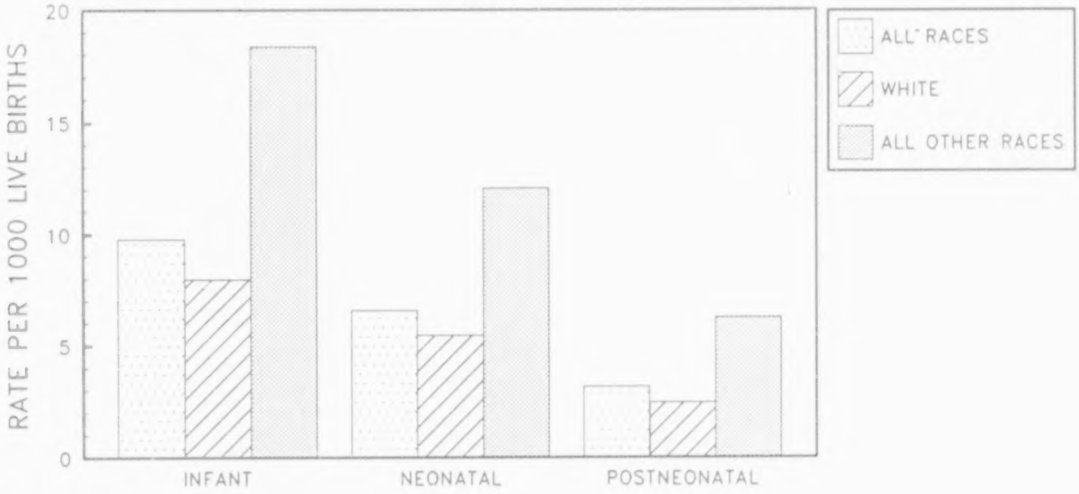


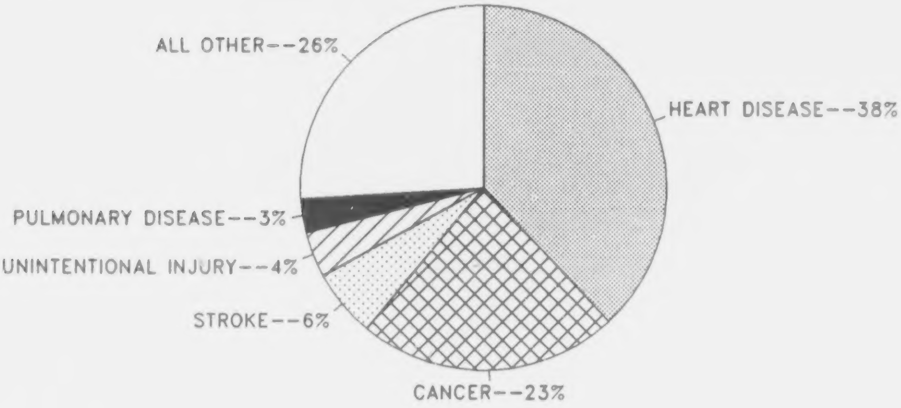
TABLE C-8
LEADING CAUSES OF DEATH, PENNSYLVANIA RESIDENTS, 1988, 1980, 1970, 1960, 1950, 1940

CAUSE OF DEATH*	1988		1980		1970		1960		1950		1940	
	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	125,337		123,233		126,564		121,163		110,212		111,977	
HEART DISEASE	47,810	1	50,677	1	52,476	1	51,431	1	43,793	1	34,333	1
NEOPLASMS, MALIGNANT	28,316	2	26,040	2	22,013	2	19,612	2	16,326	2	13,055	2
CEREBROVASCULAR DIS.	8,036	3	9,539	3	12,573	3	12,632	3	11,043	3	8,857	4
UNINTENTIONAL INJURIES	4,437	4	4,586	4	5,336	4	4,866	4	5,697	4	7,206	5
CHRONIC OBSTRUCTIVE PULMONARY DIS.	4,303	5	3,263	5	**		**		**		**	
PNEUMONIA AND INFLUENZA	3,990	6	2,869	6	3,466	5	3,889	5	3,116	6	6,712	6
DIABETES MELLITUS	2,614	7	2,599	7	2,819	6	2,779	8	2,418	10	3,617	9
SEPTICEMIA	1,894	8	803		215		121		42		**	
NEPHRITIS AND NEPHROSIS	1,605	9	1,109		530		938		2,498	8	9,728	3
SUICIDE	1,479	10	1,317	10	1,337	10	1,099		1,001		1,312	
LIVER DISEASE AND CIRRHOSIS	1,226		1,625	9	1,846	9	1,321	9	1,099		950	
ATHEROSCLEROSIS	1,038		1,837	8	2,320	8	2,899	7	2,723	7	**	
PERINATAL CONDITIONS	841		1,194		2,391	7	3,820	6	3,835	5	3,679	8
CONGENITAL ANOMALIES	558		661		984		1,266	10	1,177		1,119	
TUBERCULOSIS, ALL FORMS	71		123		414		902		2,474	9	4,252	7
SYPHILIS AND SEQUELAE	3		9		36		242		402		1,325	10
ALL OTHER	17,116		15,785		18,023		13,466		12,603		15,788	

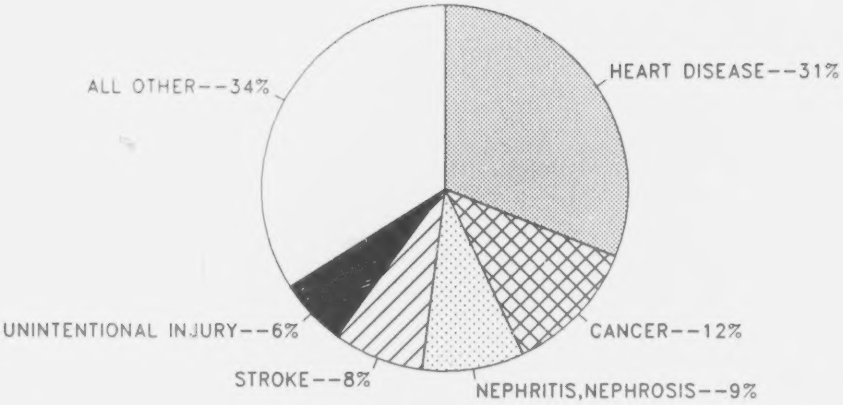
* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975. THE ICD CODES USED FOR SYPHILIS AND SEQUELAE WERE 090-097. SEE TECHNICAL NOTES FOR ALL OTHER CAUSE OF DEATH ICD CODES.

**DATA NOT AVAILABLE.

FIGURE C-8
RESIDENT DEATHS, PERCENT BY FIVE LEADING CAUSES
PENNSYLVANIA, 1988 AND 1940



1 9 8 8



1 9 4 0

TABLE C-9
MEDIAN AGE AT DEATH FOR SELECTED LEADING CAUSES BY RACE AND SEX
PENNSYLVANIA RESIDENTS, 1988

	MEDIAN AGE AT DEATH								
	ALL RACES			WHITE*			ALL OTHER RACES		
CAUSE OF DEATH	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL CAUSES	75.3	72.3	78.6	75.9	72.9	79.2	67.6	64.6	71.6
HEART DISEASE	78.0	74.2	81.6	78.3	74.5	81.9	72.7	69.1	75.4
MALIGNANT NEOPLASMS	71.0	70.5	71.7	71.3	70.8	72.0	67.6	67.5	67.7
CEREBROVASCULAR DISEASE	80.2	76.9	82.3	80.8	77.4	82.8	73.0	69.2	75.7
UNINTENTIONAL INJURIES	44.7	37.9	66.3	45.7	37.9	68.1	39.3	38.4	46.4
NON-MOTOR VEHICLE	63.4	48.7	76.8	66.5	53.1	77.8	44.4	40.7	59.0
MOTOR VEHICLE	31.8	29.9	36.1	31.8	29.9	37.1	29.9	29.9	30.6
CHRONIC OBSTR. PULM. DIS.	75.2	75.1	75.4	75.5	75.4	75.7	70.1	70.8	69.1
PNEUMONIA & INFLUENZA	82.8	79.4	85.9	83.4	80.4	86.3	75.0	72.6	78.2
DIABETES MELLITUS	74.5	71.9	76.1	74.9	72.7	76.6	70.4	67.7	72.3
SEPTICEMIA	79.3	77.1	81.1	80.4	78.4	81.7	74.5	69.6	77.8
NEPHRITIS, NEPHROSIS, ETC.	79.0	77.5	80.4	79.7	78.0	81.0	74.4	71.4	75.2
SUICIDE	40.5	40.1	42.2	41.2	40.8	44.6	31.8	31.6	32.8
LIVER DISEASE & CIRRHOSIS	63.5	61.9	66.4	64.7	63.2	67.5	51.5	50.3	60.4
ATHEROSCLEROSIS	85.7	82.5	87.7	85.8	82.5	87.7	83.8	80.0	87.2
AORTIC ANEURYSM	76.0	74.9	77.8	76.3	75.0	78.2	69.7	69.0	70.1
HOMICIDE & LEGAL INTERV.	29.0	28.3	31.3	32.1	31.2	33.7	27.8	27.5	28.8
PNEUMOCONIOSIS	77.3	77.2	-	77.4	77.3	-	-	-	-
HIV INFECTION	36.1	35.9	37.6	38.1	37.5	41.7	34.2	34.3	33.6

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

NOTE: MEDIAN AGE FOR CATEGORIES WITH 10 DEATHS OR LESS ARE NOT CALCULATED AND ARE INDICATED WITH A DASH (-).

TABLE C-10A
SELECTED CAUSES OF DEATH BY AGE GROUP
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1988

	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER*	
CAUSE OF DEATH	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	125,337		1,926		1,880		5,648		21,216		67,738		26,929	
HEART DISEASE	47,810	1	59	4	64	5	769	3	6,888	2	27,024	1	13,006	1
MALIGNANT NEOPLASMS	28,316	2	27	7	129	4	962	2	7,602	1	16,850	2	2,746	2
CEREBROVASCULAR DISEASE	8,036	3	8		15	10	137	8	794	3	4,517	3	2,565	3
UNINTENTIONAL INJURIES	4,437	4	124	3	907	1	1,198	1	670	4	1,111	7	427	10
NON-MOTOR VEHICLE	2,479		93		237		582		379		796		392	
MOTOR VEHICLE	1,958		31		670		616		291		315		35	
CHRONIC OBSTR. PULM. DIS.	4,303	5	2		10		35		580	5	3,067	4	609	5
PNEUMONIA & INFLUENZA	3,990	6	31	5	16	9	74	10	262	9	1,942	5	1,665	4
DIABETES MELLITUS	2,614	7	0		3		88	9	506	7	1,538	6	479	8
SEPTICEMIA	1,894	8	10	8	6		46		210	10	1,061	8	561	6
NEPHRITIS, NEPHROSIS, ETC.	1,605	9	6		4		39		178		912	9	466	9
SUICIDE	1,479	10	0		243	2	588	4	341	8	290		17	
LIVER DISEASE & CIRRHOSIS	1,226		0		1		148	7	526	6	518		33	
ATHEROSCLEROSIS	1,038		0		0		3		35		450		550	7
AORTIC ANEURYSM	942		0		2		12		135		640	10	153	
PERINATAL CONDITIONS	841		840	1	1		0		0		0		0	
HOMICIDE & LEGAL INTERV.	666		31	5	197	3	293	6	88		49		8	
CONGENITAL ANOMALIES	558		387	2	44	6	49		40		33		5	
PNEUMOCONIOSIS	471		0		0		0		25		378		68	
HIV INFECTION	466		10	8	19	7	333	5	90		14		0	
HYPERTENSION	445		0		0		9		68		251		117	
BENIGN/UNSPEC. NEOPLASMS	420		10	8	17	8	20		99		217		57	
PARKINSONS DISEASE	365		0		0		1		17		240		107	
HERNIA/INTESTINAL OBSTR.	305		6		0		10		28		143		118	
ULCERS OF STOMACH/DUODENUM	302		1		0		6		39		180		76	
ANEMIAS	223		0		7		7		26		108		75	
NUTRITIONAL DEFICIENCIES	176		1		0		4		6		70		95	
GALL BLADDER DISORDERS	150		0		0		4		16		76		54	
ALCOHOLISM	139		0		0		38		72		29		0	
DISEASES OF PANCREAS	135		0		0		13		36		62		24	
MULTIPLE SCLEROSIS	104		0		1		20		51		31		1	
EPILEPSY	99		3		11		36		19		22		8	
VENOUS EMBOLISM & THROMB.	78		0		0		6		17		39		16	
TUBERCULOSIS	71		0		0		10		9		40		12	
MENINGITIS	55		10	8	4		6		7		25		3	
INFECTIONS OF KIDNEY	47		0		0		1		5		26		15	
ALL OTHER CAUSES	11,531		360		179		683		1,731		5,785		2,793	

* UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.

TABLE C-10B
SELECTED CAUSES OF DEATH BY AGE GROUP - MALES*
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1988

	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER**	
CAUSE OF DEATH	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	63,226		1,080		1,366		3,922		13,016		35,211		8,631	
HEART DISEASE	23,300	1	31	4	36	5	569	2	4,748	1	14,087	1	3,829	1
MALIGNANT NEOPLASMS	14,810	2	17	6	76	4	440	4	4,097	2	9,036	2	1,144	2
CEREBROVASCULAR DISEASE	3,204	3	3		8	10	77	8	442	4	1,985	3	689	3
UNINTENTIONAL INJURIES	2,941	4	76	3	677	1	952	1	466	3	598	7	172	7
NON-MOTOR VEHICLE	1,582		57		187		489		273		420		156	
MOTOR VEHICLE	1,359		19		490		463		193		178		16	
CHRONIC OBSTR. PULM. DIS.	2,539	5	1		6		20		345	6	1,822	4	345	5
PNEUMONIA & INFLUENZA	1,897	6	18	5	12	8	43	10	167	9	1,102	5	555	4
DIABETES MELLITUS	1,059	8	0		3		53	9	236	8	635	6	132	10
SEPTICEMIA	796	9	8	8	4		27		117	10	467	8	173	6
NEPHRITIS, NEPHROSIS, ETC.	738		1		3		27		98		437	9	172	7
SUICIDE	1,210	7	0		213	2	475	3	270	7	240		12	
LIVER DISEASE & CIRRHOSIS	785	10	0		1		109	7	366	5	294		15	
ATHEROSCLEROSIS	376		0		0		1		21		213		141	9
AORTIC ANEURYSM	597		0		1		10		96		415	10	75	
PERINATAL CONDITIONS	473		472	1	1		0		0		0		0	
HOMICIDE & LEGAL INTERV.	479		17	6	159	3	202	6	67		31		3	
CONGENITAL ANOMALIES	293		205	2	20	6	32		19		16		1	
PNEUMOCONIOSIS	463		0		0		0		25		373		65	
HIV INFECTION	428		7	9	18	7	310	5	81		12		0	
HYPERTENSION	179		0		0		6		37		115		21	
BENIGN/UNSPEC. NEOPLASMS	195		6	10	8	10	11		61		89		20	
PARKINSONS DISEASE	210		0		0		0		10		156		44	
HERNIA/INTESTINAL OBSTR.	112		3		0		7		17		60		25	
ULCERS OF STOMACH/DUODENUM	141		1		0		5		21		90		24	
ANEMIAS	97		0		3		5		10		53		26	
NUTRITIONAL DEFICIENCIES	62		0		0		2		2		31		27	
GALL BLADDER DISORDERS	61		0		0		1		8		34		18	
ALCOHOLISM	109		0		0		30		56		23		0	
DISEASES OF PANCREAS	72		0		0		11		29		28		4	
MULTIPLE SCLEROSIS	44		0		0		9		22		13		0	
EPILEPSY	58		2		9	9	27		12		5		3	
VENOUS EMBOLISM & THROMB.	35		0		0		5		8		20		2	
TUBERCULOSIS	44		0		0		6		7		22		9	
MENINGITIS	31		5		3		5		5		11		2	
INFECTIONS OF KIDNEY	16		0		0		1		3		6		6	
ALL OTHER CAUSES	5,372		207		105		444		1,047		2,692		877	

* UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
**UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.

TABLE C-10C
SELECTED CAUSES OF DEATH BY AGE GROUP - FEMALES
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1988

	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER*	
CAUSE OF DEATH	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	62,111		846		514		1,726		8,200		32,527		18,298	
HEART DISEASE	24,510	1	28	4	28	5	200	3	2,140	2	12,937	1	9,177	1
MALIGNANT NEOPLASMS	13,506	2	10	7	53	2	522	1	3,505	1	7,814	2	1,602	3
CEREBROVASCULAR DISEASE	4,832	3	5	8	7	8	60	6	352	3	2,532	3	1,876	2
UNINTENTIONAL INJURIES	1,496	7	48	3	230	1	246	2	204	6	513	8	255	10
NON-MOTOR VEHICLE	897		36		50		93		106		376		236	
MOTOR VEHICLE	599		12		180		153		98		137		19	
CHRONIC OBSTR. PULM. DIS.	1,764	5	1		4	9	15		235	5	1,245	4	264	9
PNEUMONIA & INFLUENZA	2,093	4	13	6	4	9	31	9	95	8	840	6	1,110	4
DIABETES MELLITUS	1,555	6	0		0		35	8	270	4	903	5	347	7
SEPTICEMIA	1,098	8	2		2		19		93	9	594	7	388	6
NEPHRITIS, NEPHROSIS, ETC.	867	9	5	8	1		12		80	10	475	9	294	8
SUICIDE	269		0		30	4	113	4	71		50		5	
LIVER DISEASE & CIRRHOSIS	441		0		0		39	7	160	7	224		18	
ATHEROSCLEROSIS	662	10	0		0		2		14		237	10	409	5
AORTIC ANEURYSM	345		0		1		2		39		225		78	
PERINATAL CONDITIONS	368		368	1	0		0		0		0		0	
HOMICIDE & LEGAL INTERV.	187		14	5	38	3	91	5	21		18		5	
CONGENITAL ANOMALIES	265		182	2	24	6	17		21		17		4	
PNEUMOCONIOSIS	8		0		0		0		0		5		3	
HIV INFECTION	38		3		1		23	10	9		2		0	
HYPERTENSION	266		0		0		3		31		136		96	
BENIGN/UNSPEC. NEOPLASMS	225		4		9	7	9		38		128		37	
PARKINSONS DISEASE	155		0		0		1		7		84		63	
HERNIA/INTESTINAL OBSTR.	193		3		0		3		11		83		93	
ULCERS OF STOMACH/DUODENUM	161		0		0		1		18		90		52	
ANEMIAS	126		0		4	9	2		16		55		49	
NUTRITIONAL DEFICIENCIES	114		1		0		2		4		39		68	
GALL BLADDER DISORDERS	89		0		0		3		8		42		36	
ALCOHOLISM	30		0		0		8		16		6		0	
DISEASES OF PANCREAS	63		0		0		2		7		34		20	
MULTIPLE SCLEROSIS	60		0		1		11		29		18		1	
EPILEPSY	41		1		2		9		7		17		5	
VENOUS EMBOLISM & THROMB.	43		0		0		1		9		19		14	
TUBERCULOSIS	27		0		0		4		2		18		3	
MENINGITIS	24		5	8	1		1		2		14		1	
INFECTIONS OF KIDNEY	31		0		0		0		2		20		9	
ALL OTHER CAUSES	6,159		153		74		239		684		3,093		1,916	

* UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.

TABLE C-10D
SELECTED CAUSES OF DEATH BY AGE GROUP - WHITE RACE*
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1988

	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER**	
CAUSE OF DEATH	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	113,214		1,334		1,510		4,404		18,095		62,375		25,496	
HEART DISEASE	44,345	1	48	4	53	5	633	3	5,990	2	25,199	1	12,422	1
MALIGNANT NEOPLASMS	25,704	2	23	5	110	3	822	2	6,676	1	15,522	2	2,551	2
CEREBROVASCULAR DISEASE	7,298	3	7	10	10	9	90	7	619	3	4,131	3	2,441	3
UNINTENTIONAL INJURIES	3,911	5	94	3	806	1	1,032	1	567	4	1,009	7	403	10
NON-MOTOR VEHICLE	2,091		67		190		457		302		707		368	
MOTOR VEHICLE	1,820		27		616		575		265		302		35	
CHRONIC OBSTR. PULM. DIS.	4,014	4	2		6		20		506	5	2,887	4	593	5
PNEUMONIA & INFLUENZA	3,681	6	21	6	14	8	49	10	212	9	1,782	5	1,603	4
DIABETES MELLITUS	2,306	7	0		2		70	9	420	7	1,369	6	445	8
SEPTICEMIA	1,561	8	5		4		33		149	10	875	8	495	7
NEPHRITIS, NEPHROSIS, ETC.	1,393	9	4		3		29		132		793	9	432	9
SUICIDE	1,369	10	0		214	2	530	4	322	8	286		17	
LIVER DISEASE & CIRRHOSIS	1,040		0		0		89	8	441	6	479		31	
ATHEROSCLEROSIS	993		0		0		3		33		428		529	6
AORTIC ANEURYSM	901		0		1		9		121		622	10	148	
PERINATAL CONDITIONS	552		551	1	1		0		0		0		0	
HOMICIDE & LEGAL INTERV.	309		19	7	71	4	136	6	48		28		7	
CONGENITAL ANOMALIES	461		309	2	38	6	42		38		29		5	
PNEUMOCONIOSIS	464		0		0		0		25		372		67	
HIV INFECTION	291		3		8	10	211	5	58		11		0	
HYPERTENSION	371		0		0		5		41		221		104	
BENIGN/UNSPEC. NEOPLASMS	393		9	8	15	7	19		87		207		56	
PARKINSONS DISEASE	339		0		0		1		12		224		102	
HERNIA/INTESTINAL OBSTR.	276		3		0		7		21		130		115	
ULCERS OF STOMACH/DUODENUM	286		1		0		5		34		171		75	
ANEMIAS	192		0		2		4		21		96		69	
NUTRITIONAL DEFICIENCIES	147		1		0		2		4		60		80	
GALL BLADDER DISORDERS	143		0		0		3		14		73		53	
ALCOHOLISM	82		0		0		20		41		21		0	
DISEASES OF PANCREAS	121		0		0		10		31		57		23	
MULTIPLE SCLEROSIS	98		0		0		18		48		31		1	
EPILEPSY	76		3		7		26		15		19		6	
VENOUS EMBOLISM & THROMB.	75		0		0		6		16		38		15	
TUBERCULOSIS	48		0		0		4		6		27		11	
MENINGITIS	45		8	9	3		4		6		22		2	
INFECTIONS OF KIDNEY	45		0		0		0		5		26		14	
ALL OTHER CAUSES	9,884		223		142		472		1,336		5,130		2,581	

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
**UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.

TABLE C-10E
SELECTED CAUSES OF DEATH BY AGE GROUP - FOR RACES OTHER THAN WHITE
NUMBER AND RANK: PENNSYLVANIA RESIDENTS, 1988

	ALL AGES		UNDER 5 YEARS		5-24 YEARS		25-44 YEARS		45-64 YEARS		65-84 YEARS		85 YEARS & OVER*	
CAUSE OF DEATH	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK	NUMBER	RANK
ALL CAUSES	12,123		592		370		1,244		3,121		5,363		1,433	
HEART DISEASE	3,465	1	11	5	11	5	136	4	898	2	1,825	1	584	1
MALIGNANT NEOPLASMS	2,612	2	4	9	19	4	140	3	926	1	1,328	2	195	2
CEREBROVASCULAR DISEASE	738	3	1		5	8	47	8	175	3	386	3	124	3
UNINTENTIONAL INJURIES	526	4	30	3	101	2	166	1	103	4	102	9	24	8
NON-MOTOR VEHICLE	388		26		47		125		77		89		24	
MOTOR VEHICLE	138		4		54		41		26		13		0	
CHRONIC OBSTR. PULM. DIS.	289	9	0		4	10	15		74	7	180	5	16	10
PNEUMONIA & INFLUENZA	309	7	10	6	2		25	9	50	9	160	7	62	5
DIABETES MELLITUS	308	8	0		1		18	10	86	5	169	6	34	6
SEPTICEMIA	333	6	5	8	2		13		61	8	186	4	66	4
NEPHRITIS, NEPHROSIS, ETC.	212		2		1		10		46	10	119	8	34	6
SUICIDE	110		0		29	3	58	7	19		4		0	
LIVER DISEASE & CIRRHOSIS	186		0		1		59	6	85	6	39	10	2	
ATHEROSCLEROSIS	45		0		0		0		2		22		21	9
AORTIC ANEURYSM	41		0		1		3		14		18		5	
PERINATAL CONDITIONS	289	9	289	1	0		0		0		0		0	
HOMICIDE & LEGAL INTERV.	357	5	12	4	126	1	157	2	40		21		1	
CONGENITAL ANOMALIES	97		78	2	6	7	7		2		4		0	
PNEUMOCONIOSIS	7		0		0		0		0		6		1	
HIV INFECTION	175		7	7	11	5	122	5	32		3		0	
HYPERTENSION	74		0		0		4		27		30		13	
BENIGN/UNSPEC. NEOPLASMS	27		1		2		1		12		10		1	
PARKINSONS DISEASE	26		0		0		0		5		16		5	
HERNIA/INTESTINAL OBSTR.	29		3	10	0		3		7		13		3	
ULCERS OF STOMACH/DUODENUM	16		0		0		1		5		9		1	
ANEMIAS	31		0		5	8	3		5		12		6	
NUTRITIONAL DEFICIENCIES	29		0		0		2		2		10		15	
GALL BLADDER DISORDERS	7		0		0		1		2		3		1	
ALCOHOLISM	57		0		0		18	10	31		8		0	
DISEASES OF PANCREAS	14		0		0		3		5		5		1	
MULTIPLE SCLEROSIS	6		0		1		2		3		0		0	
EPILEPSY	23		0		4	10	10		4		3		2	
VENOUS EMBOLISM & THROMB.	3		0		0		0		1		1		1	
TUBERCULOSIS	23		0		0		6		3		13		1	
MENINGITIS	10		2		1		2		1		3		1	
INFECTIONS OF KIDNEY	2		0		0		1		0		0		1	
ALL OTHER CAUSES	1,647		137		37		211		395		655		212	

* UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.

TABLE C-11A
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH BY AGE GROUP, PENNSYLVANIA, 1988

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER**
ALL CAUSES	1,044.3	236.2	55.2	155.4	883.2	4,466.5	11,744.3
HEART DISEASE	398.3	7.2	1.9	21.2	286.7	1,781.9	5,672.2
MALIGNANT NEOPLASMS	235.9	3.3	3.8	26.5	316.5	1,111.0	1,197.6
CEREBROVASCULAR DISEASE	67.0	1.0	0.4	3.8	33.1	297.8	1,118.7
UNINTENTIONAL INJURIES	37.0	15.2	26.6	33.0	27.9	73.3	186.2
NON-MOTOR VEHICLE	20.7	11.4	7.0	16.0	15.8	52.5	171.0
MOTOR VEHICLE	16.3	3.8	19.7	16.9	12.1	20.8	15.3
CHRONIC OBSTR. PULM. DIS.	35.9	0.2	0.3	1.0	24.1	202.2	265.6
PNEUMONIA & INFLUENZA	33.2	3.8	0.5	2.0	10.9	128.1	726.1
DIABETES MELLITUS	21.8	-	0.1	2.4	21.1	101.4	208.9
SEPTICEMIA	15.8	1.2	0.2	1.3	8.7	70.0	244.7
NEPHRITIS, NEPHROSIS, ETC.	13.4	0.7	0.1	1.1	7.4	60.1	203.2
SUICIDE	12.3	-	7.1	16.2	14.2	19.1	7.4
LIVER DISEASE & CIRRHOSIS	10.2	-	0.0	4.1	21.9	34.2	14.4
ATHEROSCLEROSIS	8.6	-	-	0.1	1.5	29.7	239.9
AORTIC ANEURYSM	7.8	-	0.1	0.3	5.6	42.2	66.7
PERINATAL CONDITIONS	7.0	103.0	0.0	-	-	-	-
HOMICIDE & LEGAL INTERV.	5.5	3.8	5.8	8.1	3.7	3.2	3.5
CONGENITAL ANOMALIES	4.6	47.5	1.3	1.3	1.7	2.2	2.2
PNEUMOCONIOSIS	3.9	-	-	-	1.0	24.9	29.7
HIV INFECTION	3.9	1.2	0.6	9.2	3.7	0.9	-
HYPERTENSION	3.7	-	-	0.2	2.8	16.6	51.0
BENIGN/UNSPEC. NEOPLASMS	3.5	1.2	0.5	0.6	4.1	14.3	24.9
PARKINSONS DISEASE	3.0	-	-	0.0	0.7	15.8	46.7
HERNIA/INTESTINAL OBSTR.	2.5	0.7	-	0.3	1.2	9.4	51.5
ULCERS OF STOMACH/DUODENUM	2.5	0.1	-	0.2	1.6	11.9	33.1
ANEMIAS	1.9	-	0.2	0.2	1.1	7.1	32.7
NUTRITIONAL DEFICIENCIES	1.5	0.1	-	0.1	0.2	4.6	41.4
GALL BLADDER DISORDERS	1.2	-	-	0.1	0.7	5.0	23.6
ALCOHOLISM	1.2	-	-	1.0	3.0	1.9	-
DISEASES OF PANCREAS	1.1	-	-	0.4	1.5	4.1	10.5
MULTIPLE SCLEROSIS	0.9	-	0.0	0.6	2.1	2.0	0.4
EPILEPSY	0.8	0.4	0.3	1.0	0.8	1.5	3.5
VENOUS EMBOLISM & THROMB.	0.6	-	-	0.2	0.7	2.6	7.0
TUBERCULOSIS	0.6	-	-	0.3	0.4	2.6	5.2
MENINGITIS	0.5	1.2	0.1	0.2	0.3	1.6	1.3
INFECTIONS OF KIDNEY	0.4	-	-	0.0	0.2	1.7	6.5
ALL OTHER CAUSES	96.1	44.1	5.3	18.8	72.1	381.4	1,218.1

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AGE GROUP.
**UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-11B
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH BY AGE GROUP - MALES**, PENNSYLVANIA, 1988

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER***
ALL CAUSES	1,099.3	258.4	78.8	219.2	1,156.9	5,762.4	11,642.3
HEART DISEASE	405.1	7.4	2.1	31.8	422.0	2,305.4	5,164.9
MALIGNANT NEOPLASMS	257.5	4.1	4.4	24.6	364.1	1,478.8	1,543.1
CEREBROVASCULAR DISEASE	55.7	0.7	0.5	4.3	39.3	324.9	929.4
UNINTENTIONAL INJURIES	51.1	18.2	39.0	53.2	41.4	97.9	232.0
NON-MOTOR VEHICLE	27.5	13.6	10.8	27.3	24.3	68.7	210.4
MOTOR VEHICLE	23.6	4.5	28.3	25.9	17.2	29.1	21.6
CHRONIC OBSTR. PULM. DIS.	44.1	0.2	0.3	1.1	30.7	298.2	465.4
PNEUMONIA & INFLUENZA	33.0	4.3	0.7	2.4	14.8	180.3	748.6
DIABETES MELLITUS	18.4	-	0.2	3.0	21.0	103.9	178.1
SEPTICEMIA	13.8	1.9	0.2	1.5	10.4	76.4	233.4
NEPHRITIS, NEPHROSIS, ETC.	12.8	0.2	0.2	1.5	8.7	71.5	232.0
SUICIDE	21.0	-	12.3	26.5	24.0	39.3	16.2
LIVER DISEASE & CIRRHOSIS	13.6	-	0.1	6.1	32.5	48.1	20.2
ATHEROSCLEROSIS	6.5	-	-	0.1	1.9	34.9	190.2
AORTIC ANEURYSM	10.4	-	0.1	0.6	8.5	67.9	101.2
PERINATAL CONDITIONS	8.2	112.9	0.1	-	-	-	-
HOMICIDE & LEGAL INTERV.	8.3	4.1	9.2	11.3	6.0	5.1	4.0
CONGENITAL ANOMALIES	5.1	49.1	1.2	1.8	1.7	2.6	1.3
PNEUMOCONIOSIS	8.1	-	-	-	2.2	61.0	87.7
HIV INFECTION	7.4	1.7	1.0	17.3	7.2	2.0	-
HYPERTENSION	3.1	-	-	0.3	3.3	18.8	28.3
BENIGN/UNSPEC. NEOPLASMS	3.4	1.4	0.5	0.6	5.4	14.6	27.0
PARKINSONS DISEASE	3.7	-	-	-	0.9	25.5	59.4
HERNIA/INTESTINAL OBSTR.	1.9	0.7	-	0.4	1.5	9.8	33.7
ULCERS OF STOMACH/DUODENUM	2.5	0.2	-	0.3	1.9	14.7	32.4
ANEMIAS	1.7	-	0.2	0.3	0.9	8.7	35.1
NUTRITIONAL DEFICIENCIES	1.1	-	-	0.1	0.2	5.1	36.4
GALL BLADDER DISORDERS	1.1	-	-	0.1	0.7	5.6	24.3
ALCOHOLISM	1.9	-	-	1.7	5.0	3.8	-
DISEASES OF PANCREAS	1.3	-	-	0.6	2.6	4.6	5.4
MULTIPLE SCLEROSIS	0.8	-	-	0.5	2.0	2.1	-
EPILEPSY	1.0	0.5	0.5	1.5	1.1	0.8	4.0
VENOUS EMBOLISM & THROMB.	0.6	-	-	0.3	0.7	3.3	2.7
TUBERCULOSIS	0.8	-	-	0.3	0.6	3.6	12.1
MENINGITIS	0.5	1.2	0.2	0.3	0.4	1.8	2.7
INFECTIONS OF KIDNEY	0.3	-	-	0.1	0.3	1.0	8.1
ALL OTHER CAUSES	93.4	49.5	6.1	24.8	93.1	440.6	1,183.0

* RATE PER 100,000 ESTIMATED 1988 MALE POPULATION FOR EACH SPECIFIED AGE GROUP.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-11C
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH BY AGE GROUP - FEMALES, PENNSYLVANIA, 1988

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER**
ALL CAUSES	993.7	212.8	30.8	93.5	642.1	3,592.0	11,793.1
HEART DISEASE	392.1	7.0	1.7	10.8	167.6	1,428.6	5,914.6
MALIGNANT NEOPLASMS	216.1	2.5	3.2	28.3	274.4	862.9	1,032.5
CEREBROVASCULAR DISEASE	77.3	1.3	0.4	3.3	27.6	279.6	1,209.1
UNINTENTIONAL INJURIES	23.9	12.1	13.8	13.3	16.0	56.7	164.3
NON-MOTOR VEHICLE	14.4	9.1	3.0	5.0	8.3	41.5	152.1
MOTOR VEHICLE	9.6	3.0	10.8	8.3	7.7	15.1	12.2
CHRONIC OBSTR. PULM. DIS.	28.2	0.3	0.2	0.8	18.4	137.5	170.1
PNEUMONIA & INFLUENZA	33.5	3.3	0.2	1.7	7.4	92.8	715.4
DIABETES MELLITUS	24.9	-	-	1.9	21.1	99.7	223.6
SEPTICEMIA	17.6	0.5	0.1	1.0	7.3	65.6	250.1
NEPHRITIS, NEPHROSIS, ETC.	13.9	1.3	0.1	0.7	6.3	52.5	189.5
SUICIDE	4.3	-	1.8	6.1	5.6	5.5	3.2
LIVER DISEASE & CIRRHOSIS	7.1	-	-	2.1	12.5	24.7	11.6
ATHEROSCLEROSIS	10.6	-	-	0.1	1.1	26.2	263.6
AORTIC ANEURYSM	5.5	-	0.1	0.1	3.1	24.8	50.3
PERINATAL CONDITIONS	5.9	92.6	-	-	-	-	-
HOMICIDE & LEGAL INTERV.	3.0	3.5	2.3	4.9	1.6	2.0	3.2
CONGENITAL ANOMALIES	4.2	45.8	1.4	0.9	1.6	1.9	2.6
PNEUMOCONIOSIS	0.1	-	-	-	-	0.6	1.9
HIV INFECTION	0.6	0.8	0.1	1.2	0.7	0.2	-
HYPERTENSION	4.3	-	-	0.2	2.4	15.0	61.9
BENIGN/UNSPEC. NEOPLASMS	3.6	1.0	0.5	0.5	3.0	14.1	23.8
PARKINSONS DISEASE	2.5	-	-	0.1	0.5	9.3	40.6
HERNIA/INTESTINAL OBSTR.	3.1	0.8	-	0.2	0.9	9.2	59.9
ULCERS OF STOMACH/DUODENUM	2.6	-	-	0.1	1.4	9.9	33.5
ANEMIAS	2.0	-	0.2	0.1	1.3	6.1	31.6
NUTRITIONAL DEFICIENCIES	1.8	0.3	-	0.1	0.3	4.3	43.8
GALL BLADDER DISORDERS	1.4	-	-	0.2	0.6	4.6	23.2
ALCOHOLISM	0.5	-	-	0.4	1.3	0.7	-
DISEASES OF PANCREAS	1.0	-	-	0.1	0.5	3.8	12.9
MULTIPLE SCLEROSIS	1.0	-	0.1	0.6	2.3	2.0	0.6
EPILEPSY	0.7	0.3	0.1	0.5	0.5	1.9	3.2
VENOUS EMBOLISM & THROMB.	0.7	-	-	0.1	0.7	2.1	9.0
TUBERCULOSIS	0.4	-	-	0.2	0.2	2.0	1.9
MENINGITIS	0.4	1.3	0.1	0.1	0.2	1.5	0.6
INFECTIONS OF KIDNEY	0.5	-	-	-	0.2	2.2	5.8
ALL OTHER CAUSES	98.5	38.5	4.4	13.0	53.6	341.6	1,234.9

* RATE PER 100,000 ESTIMATED 1988 FEMALE POPULATION FOR EACH SPECIFIED AGE GROUP.
**UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-11D
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH BY AGE GROUP - WHITE RACE**, PENNSYLVANIA, 1988

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER***
ALL CAUSES	1,052.7	191.4	50.5	135.5	825.2	4,413.0	11,977.4
HEART DISEASE	412.4	6.9	1.8	19.5	273.2	1,782.8	5,835.5
MALIGNANT NEOPLASMS	239.0	3.3	3.7	25.3	304.4	1,098.2	1,198.4
CEREBROVASCULAR DISEASE	67.9	1.0	0.3	2.8	28.2	292.3	1,146.7
UNINTENTIONAL INJURIES	36.4	13.5	27.0	31.7	25.9	71.4	189.3
NON-MOTOR VEHICLE	19.4	9.6	6.4	14.1	13.8	50.0	172.9
MOTOR VEHICLE	16.9	3.9	20.6	17.7	12.1	21.4	16.4
CHRONIC OBSTR. PULM. DIS.	37.3	0.3	0.2	0.6	23.1	204.3	278.6
PNEUMONIA & INFLUENZA	34.2	3.0	0.5	1.5	9.7	126.1	753.0
DIABETES MELLITUS	21.4	-	0.1	2.2	19.2	96.9	209.0
SEPTICEMIA	14.5	0.7	0.1	1.0	6.8	61.9	232.5
NEPHRITIS, NEPHROSIS, ETC.	13.0	0.6	0.1	0.9	6.0	56.1	202.9
SUICIDE	12.7	-	7.2	16.3	14.7	20.2	8.0
LIVER DISEASE & CIRRHOSIS	9.7	-	-	2.7	20.1	33.9	14.6
ATHEROSCLEROSIS	9.2	-	-	0.1	1.5	30.3	248.5
AORTIC ANEURYSM	8.4	-	0.0	0.3	5.5	44.0	69.5
PERINATAL CONDITIONS	5.1	79.1	0.0	-	-	-	-
HOMICIDE & LEGAL INTERV.	2.9	2.7	2.4	4.2	2.2	2.0	3.3
CONGENITAL ANOMALIES	4.3	44.3	1.3	1.3	1.7	2.1	2.3
PNEUMOCONIOSIS	4.3	-	-	-	1.1	26.3	31.5
HIV INFECTION	2.7	0.4	0.3	6.5	2.6	0.8	-
HYPERTENSION	3.4	-	-	0.2	1.9	15.6	48.9
BENIGN/UNSPEC. NEOPLASMS	3.7	1.3	0.5	0.6	4.0	14.6	26.3
PARKINSONS DISEASE	3.2	-	-	0.0	0.5	15.8	47.9
HERNIA/INTESTINAL OBSTR.	2.6	0.4	-	0.2	1.0	9.2	54.0
ULCERS OF STOMACH/DUODENUM	2.7	0.1	-	0.2	1.6	12.1	35.2
ANEMIAS	1.8	-	0.1	0.1	1.0	6.8	32.4
NUTRITIONAL DEFICIENCIES	1.4	0.1	-	0.1	0.2	4.2	37.6
GALL BLADDER DISORDERS	1.3	-	-	0.1	0.6	5.2	24.9
ALCOHOLISM	0.8	-	-	0.6	1.9	1.5	-
DISEASES OF PANCREAS	1.1	-	-	0.3	1.4	4.0	10.8
MULTIPLE SCLEROSIS	0.9	-	-	0.6	2.2	2.2	0.5
EPILEPSY	0.7	0.4	0.2	0.8	0.7	1.3	2.8
VENOUS EMBOLISM & THROMB.	0.7	-	-	0.2	0.7	2.7	7.0
TUBERCULOSIS	0.4	-	-	0.1	0.3	1.9	5.2
MENINGITIS	0.4	1.1	0.1	0.1	0.3	1.6	0.9
INFECTIONS OF KIDNEY	0.4	-	-	-	0.2	1.8	6.6
ALL OTHER CAUSES	91.9	32.0	4.8	14.5	60.9	362.9	1,212.5

* RATE PER 100,000 ESTIMATED 1988 WHITE POPULATION FOR EACH SPECIFIED AGE GROUP.
** UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-11E
RESIDENT DEATH RATES* FOR SELECTED CAUSES OF DEATH
BY AGE GROUP - FOR RACES OTHER THAN WHITE, PENNSYLVANIA, 1988

CAUSE OF DEATH	ALL AGES	UNDER 5 YEARS	5-24 YEARS	25-44 YEARS	45-64 YEARS	65-84 YEARS	85 YEARS & OVER**
ALL CAUSES	971.4	499.8	88.9	323.7	1,490.3	5,199.2	8,724.0
HEART DISEASE	277.6	9.3	2.6	35.4	428.8	1,769.3	3,555.3
MALIGNANT NEOPLASMS	209.3	3.4	4.6	36.4	442.2	1,287.4	1,187.1
CEREBROVASCULAR DISEASE	59.1	0.8	1.2	12.2	83.6	374.2	754.9
UNINTENTIONAL INJURIES	42.1	25.3	24.3	43.2	49.2	98.9	146.1
NON-MOTOR VEHICLE	31.1	22.0	11.3	32.5	36.8	86.3	146.1
MOTOR VEHICLE	11.1	3.4	13.0	10.7	12.4	12.6	-
CHRONIC OBSTR. PULM. DIS.	23.2	-	1.0	3.9	35.3	174.5	97.4
PNEUMONIA & INFLUENZA	24.8	8.4	0.5	6.5	23.9	155.1	377.5
DIABETES MELLITUS	24.7	-	0.2	4.7	41.1	163.8	207.0
SEPTICEMIA	26.7	4.2	0.5	3.4	29.1	180.3	401.8
NEPHRITIS, NEPHROSIS, ETC.	17.0	1.7	0.2	2.6	22.0	115.4	207.0
SUICIDE	8.8	-	7.0	15.1	9.1	3.9	-
LIVER DISEASE & CIRRHOSIS	14.9	-	0.2	15.4	40.6	37.8	12.2
ATHEROSCLEROSIS	3.6	-	-	-	1.0	21.3	127.8
AORTIC ANEURYSM	3.3	-	0.2	0.8	6.7	17.5	30.4
PERINATAL CONDITIONS	23.2	244.0	-	-	-	-	-
HOMICIDE & LEGAL INTERV.	28.6	10.1	30.3	40.9	19.1	20.4	6.1
CONGENITAL ANOMALIES	7.8	65.9	1.4	1.8	1.0	3.9	-
PNEUMOCONIOSIS	0.6	-	-	-	-	5.8	6.1
HIV INFECTION	14.0	5.9	2.6	31.7	15.3	2.9	-
HYPERTENSION	5.9	-	-	1.0	12.9	29.1	79.1
BENIGN/UNSPEC. NEOPLASMS	2.2	0.8	0.5	0.3	5.7	9.7	6.1
PARKINSONS DISEASE	2.1	-	-	-	2.4	15.5	30.4
HERNIA/INTESTINAL OBSTR.	2.3	2.5	-	0.8	3.3	12.6	18.3
ULCERS OF STOMACH/DUODENUM	1.3	-	-	0.3	2.4	8.7	6.1
ANEMIAS	2.5	-	1.2	0.8	2.4	11.6	36.5
NUTRITIONAL DEFICIENCIES	2.3	-	-	0.5	1.0	9.7	91.3
GALL BLADDER DISORDERS	0.6	-	-	0.3	1.0	2.9	6.1
ALCOHOLISM	4.6	-	-	4.7	14.8	7.8	-
DISEASES OF PANCREAS	1.1	-	-	0.8	2.4	4.8	6.1
MULTIPLE SCLEROSIS	0.5	-	0.2	0.5	1.4	-	-
EPILEPSY	1.8	-	1.0	2.6	1.9	2.9	12.2
VENOUS EMBOLISM & THROMB.	0.2	-	-	-	0.5	1.0	6.1
TUBERCULOSIS	1.8	-	-	1.6	1.4	12.6	6.1
MENINGITIS	0.8	1.7	0.2	0.5	0.5	2.9	6.1
INFECTIONS OF KIDNEY	0.2	-	-	0.3	-	-	6.1
ALL OTHER CAUSES	132.0	115.7	8.9	54.9	188.6	635.0	1,290.6

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR RACES OTHER THAN WHITE FOR EACH SPECIFIED AGE GROUP.
**UNKNOWN AGE INCLUDED IN THE 85 YEARS AND OVER AGE GROUP.
NOTE: A DASH INDICATES NO DEATHS FOR THAT CAUSE OF DEATH AND AGE GROUP.

TABLE C-12
AGE-ADJUSTED DEATH RATES* FOR SELECTED CAUSES OF DEATH PENNSYLVANIA RESIDENTS, 1988 AND FIVE YEAR SUMMARY, 1984-1988 AND UNITED STATES, 1988

	PENNSYLVANIA		UNITED STATES
CAUSE OF DEATH	1988	1984-1988	1988
ALL CAUSES	547.3	554.2	536.3
HEART DISEASE	181.6	188.9	166.7
MALIGNANT NEOPLASMS	140.0	141.2	133.3
CEREBROVASCULAR DISEASE	27.8	29.2	29.8
UNINTENTIONAL INJURIES	30.6	29.8	35.1
NON-MOTOR VEHICLE	14.8	14.1	15.0
MOTOR VEHICLE	15.8	15.7	20.1
CHRONIC OBSTR. PULM. DIS.	17.8	17.2	19.2
PNEUMONIA AND INFLUENZA	12.4	11.5	14.2
DIABETES MELLITUS	11.4	11.3	9.9
SEPTICEMIA	6.9	6.3	4.5
NEPHRITIS, NEPHROSIS, ETC.	5.9	5.8	4.6
SUICIDE	11.3	11.1	11.3
LIVER DISEASE AND CIRRHOSIS	7.7	7.9	9.0
ATHEROSCLEROSIS	2.6	3.0	3.7
AORTIC ANEURYSM	3.8	3.9	N/A
HOMICIDE AND LEGAL INTERV.	5.7	5.3	9.0
PNEUMOCONIOSIS	1.7	2.2	N/A
HIV INFECTION	3.9	N/A	6.5

*AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES PER 100,000 POPULATION.

NOTE: U.S. MORTALITY DATA USED TO COMPUTE U.S. RATES ARE PROVISIONAL.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
ALL CAUSES	001-999	125,337	1044.3
INFECTIOUS AND PARASITIC DISEASES	001-139	2,764	23.0
INTESTINAL INFECTIOUS DISEASES	001-009	17	0.1
TUBERCULOSIS	010-018	71	0.6
TUBERCULOSIS OF RESPIRATORY SYSTEM	010-012	55	0.5
OTHER TUBERCULOSIS	013-018	16	0.1
ZOONOTIC BACTERIAL DISEASES	020-027	4	0.0
OTHER BACTERIAL DISEASES	030-041	1,940	16.2
SEPTICEMIA	038	1,894	15.8
OTHER BACTERIAL DISEASES	030-037,039-041	46	0.4
HIV (HUMAN IMMUNODEFICIENCY VIRUS) INFECTION	042-044	466	3.8
POLIOMYELITIS AND OTHER NON-ARTHROPOD VIRAL DISEASES OF THE CENTRAL NERVOUS SYSTEM	045-049	23	0.2
VIRAL DISEASES ACCOMPANIED BY EXANTHEM	050-057	19	0.2
ARTHROPOD-BORNE VIRAL DISEASES	060-066	0	-
OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	070-079	59	0.5
RICKETTSIOSES AND OTHER ARTHROPOD-BORNE DISEASES	080-088	0	-
SYPHILIS AND OTHER VENEREAL DISEASES	090-099	3	0.0
OTHER SPIROCHAETAL DISEASES	100-104	0	-
MYCOSES	110-118	92	0.8
HELMINTHIASES	120-129	2	0.0
OTHER INFECTIOUS AND PARASITIC DISEASES	130-136	53	0.4
LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	137-139	15	0.1
NEOPLASMS	140-239	28,736	239.4
MALIGNANT NEOPLASM OF LIP, ORAL CAVITY, AND PHARYNX	140-149	393	3.3
OF TONGUE	141	94	0.8
OF MAJOR SALIVARY GLANDS	142	27	0.2
OF FLOOR OF MOUTH	144	18	0.1
OF OTHER AND UNSPECIFIED PARTS OF MOUTH	140,143,145	69	0.6
OF OROPHARYNX	146	61	0.5
OF NASOPHARYNX	147	29	0.2
OF HYPOPHARYNX	148	22	0.2
OF OTHER AND ILL-DEFINED SITES WITHIN THE LIP, ORAL CAVITY, AND PHARYNX	149	73	0.6
MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	150-159	7,078	59.0
OF ESOPHAGUS	150	563	4.7
OF STOMACH	151	846	7.0
OF SMALL INTESTINE, INCLUDING DUODENUM	152	35	0.3
OF COLON	153	3,077	25.6
OF RECTUM, RECTOSIGMOID JUNCTION, AND ANUS	154	481	4.0
OF LIVER AND INTRAHEPATIC BILE DUCTS	155	404	3.4
OF GALL BLADDER AND EXTRAHEPATIC BILE DUCTS	156	248	2.1
OF PANCREAS	157	1,233	10.3
OF RETROPERITONEUM AND PERITONEUM	158	23	0.2
OF OTHER AND ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	159	168	1.4

---

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	160-165	7,632	63.6
OF NASAL CAVITIES, MIDDLE EAR, AND ACCESSORY SINUSES	160	20	0.2
OF LARYNX	161	208	1.7
OF TRACHEA,BRONCHUS, AND LUNG	162	7,369	61.4
OF PLEURA	163	15	0.1
OF THYMUS, HEART, AND MEDIASTINUM	164	20	0.2
OF OTHER AND ILL-DEFINED SITES WITHIN THE RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	165	0	-
MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, AND BREAST	170-175	3,199	26.7
OF BONE AND ARTICULAR CARTILAGE	170	36	0.3
OF CONNECTIVE AND OTHER SOFT TISSUE	171	150	1.2
MALIGNANT MELANOMA OF SKIN	172	316	2.6
OTHER MALIGNANT NEOPLASM OF SKIN	173	107	0.9
OF FEMALE BREAST	174	2,572	21.4
OF MALE BREAST	175	18	0.1
MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	179-189	4,150	34.6
OF UTERUS, PART UNSPECIFIED	179	184	1.5
OF CERVIX UTERI	180	230	1.9
OF BODY OF UTERUS	182	188	1.6
OF OVARY AND OTHER UTERINE ADNEXA	183	698	5.8
OF PLACENTA AND OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	181,184	64	0.5
OF PROSTATE	185	1,651	13.8
OF TESTIS	186	13	0.1
OF PENIS AND OTHER MALE GENITAL ORGANS	187	10	0.1
OF BLADDER	188	589	4.9
OF KIDNEY AND OTHER AND UNSPECIFIED URINARY ORGANS	189	523	4.4
MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES	190-199	3,197	26.6
OF EYE	190	9	0.1
OF BRAIN	191	546	4.5
OF OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	192	11	0.1
OF THYROID GLAND	193	54	0.4
OF OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	194	33	0.3
OF OTHER AND UNSPECIFIED SITES	195-199	2,544	21.2
MALIGNANT NEOPLASM OF LYMPHATIC AND HEMATOPOIETIC TISSUE	200-208	2,667	22.2
LYMPHOSARCOMA AND RETICULOSARCOMA	200	168	1.4
HODGKIN'S DISEASE	201	108	0.9
OTHER MALIGNANT NEOPLASM OF LYMPHOID AND HISTIOCYTIC TISSUE	202	869	7.2
MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	203	502	4.2
LYMPHOID LEUKEMIA	204	294	2.4
MYELOID LEUKEMIA	205	405	3.4
MONOCYTIC AND OTHER SPECIFIED LEUKEMIA	206-207	20	0.2
LEUKEMIA OF UNSPECIFIED CELL TYPE	208	301	2.5

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
BENIGN NEOPLASMS	210-229	70	0.6
OF BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	225	48	0.4
OTHER BENIGN NEOPLASMS	210-224,226-229	22	0.2
CARCINOMA IN SITU	230-234	3	0.0
NEOPLASMS OF UNCERTAIN BEHAVIOR	235-238	80	0.7
NEOPLASMS OF UNSPECIFIED NATURE	239	267	2.2
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS	240-279	3,573	29.8
DISORDERS OF THYROID GLAND	240-246	59	0.5
ACQUIRED HYPOTHYROIDISM	244	50	0.4
OTHER DISORDERS OF THYROID GLAND	240-243,245-246	9	0.1
DISEASES OF OTHER ENDOCRINE GLANDS	250-259	2,652	22.1
DIABETES MELLITUS	250	2,614	21.8
OTHER ENDOCRINE DISORDERS	251-259	38	0.3
NUTRITIONAL DEFICIENCIES	260-269	176	1.5
PROTEIN-CALORIE MALNUTRITION	260-263	173	1.4
OTHER NUTRITIONAL DEFICIENCIES	264-269	3	0.0
OTHER METABOLIC DISORDERS AND IMMUNITY DISORDERS	270-279	686	5.7
CERTAIN SPECIFIED DISORDERS OF METABOLISM	270-275	108	0.9
DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	276	393	3.3
OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	277	102	0.8
OBESITY AND OTHER HYPERALIMENTATION	278	63	0.5
DISORDERS INVOLVING THE IMMUNE MECHANISM	279	20	0.2
DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	280-289	524	4.4
HEMOLYTIC ANEMIAS	282-283	31	0.3
APLASTIC ANEMIA	284	51	0.4
OTHER AND UNSPECIFIED ANEMIAS	285	126	1.0
COAGULATION DEFECTS	286	88	0.7
PURPURA AND OTHER HEMORRHAGIC CONDITIONS	287	44	0.4
DISEASES OF WHITE BLOOD CELLS	288	45	0.4
OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	280-281,289	139	1.2
MENTAL DISORDERS	290-319	996	8.3
ORGANIC PSYCHOTIC CONDITIONS	290-294	358	3.0
SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	290	350	2.9
OTHER ORGANIC PSYCHOTIC CONDITIONS	291-294	8	0.1
OTHER PSYCHOSES	295-299	118	1.0
NEUROTIC DISORDERS, PERSONALITY DISORDERS, AND OTHER NONPSYCHOTIC MENTAL DISORDERS	300-316	503	4.2
ALCOHOL DEPENDENCE SYNDROME	303	139	1.2
NONDEPENDENT ABUSE OF DRUGS	305	68	0.6
SPECIFIC NONPSYCHOTIC MENTAL DISORDERS FOLLOWING ORGANIC BRAIN DAMAGE	310	263	2.2
OTHER NONPSYCHOTIC MENTAL DISORDERS	300-302,304,306-309,311-316	33	0.3
MENTAL RETARDATION	317-319	17	0.1

---

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	320-389	1,887	15.7
INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	320-326	85	0.7
BACTERIAL MENINGITIS	320	26	0.2
MENINGITIS DUE TO OTHER AND UNSPECIFIED CAUSE	321-322	29	0.2
OTHER INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	323-326	30	0.2
HEREDITARY AND DEGENERATIVE DISEASES OF THE CENTRAL NERVOUS SYSTEM	330-337	1,183	9.9
CEREBRAL DEGENERATIONS	330-331	589	4.9
PARKINSON'S DISEASE	332	365	3.0
ANTERIOR HORN CELL DISEASE	335	184	1.5
OTHER HEREDITARY AND DEGENERATIVE DISEASES OF THE CENTRAL NERVOUS SYSTEM	333-334,336-337	45	0.4
OTHER DISORDERS OF CENTRAL NERVOUS SYSTEM	340-349	533	4.4
MULTIPLE SCLEROSIS	340	104	0.9
INFANTILE CEREBRAL PALSY	343	26	0.2
OTHER PARALYTIC SYNDROMES	344	46	0.4
EPILEPSY	345	99	0.8
OTHER AND UNSPECIFIED DISORDERS OF THE NERVOUS SYSTEM	341-342,346-349	258	2.1
DISORDERS OF THE PERIPHERAL NERVOUS SYSTEM	350-359	80	0.7
MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	359	43	0.4
OTHER DISORDERS OF THE PERIPHERAL NERVOUS SYSTEM	350-358	37	0.3
DISORDERS OF THE EYE AND EAR	360-389	6	0.0
DISEASES OF THE CIRCULATORY SYSTEM	390-459	58,907	490.8
ACUTE RHEUMATIC FEVER	390-392	4	0.0
CHRONIC RHEUMATIC HEART DISEASE	393-398	464	3.9
DISEASES OF MITRAL VALVE	394	198	1.6
DISEASES OF AORTIC VALVE	395	12	0.1
DISEASES OF MITRAL AND AORTIC VALVES	396	88	0.7
DISEASES OF OTHER ENDOCARDIAL STRUCTURES	397	37	0.3
OTHER RHEUMATIC HEART DISEASE	393,398	129	1.1
HYPERTENSIVE DISEASE	401-405	1,500	12.5
ESSENTIAL HYPERTENSION	401	287	2.4
HYPERTENSIVE HEART DISEASE	402	931	7.8
HYPERTENSIVE RENAL DISEASE	403	158	1.3
HYPERTENSIVE HEART AND RENAL DISEASE	404	124	1.0
SECONDARY HYPERTENSION	405	0	-
ISCHEMIC HEART DISEASE	410-414	29,186	243.2
ACUTE MYOCARDIAL INFARCTION	410	15,082	125.7
OTHER ACUTE AND SUBACUTE FORM OF ISCHEMIC HEART DISEASE	411	108	0.9
OLD MYOCARDIAL INFARCTION	412	71	0.6
ANGINA PECTORIS	413	72	0.6
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	414	13,853	115.4

---

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13

RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
DISEASES OF PULMONARY CIRCULATION	415-417	914	7.6
ACUTE PULMONARY HEART DISEASE	415	744	6.2
CHRONIC PULMONARY HEART DISEASE	416	168	1.4
OTHER DISEASES OF PULMONARY CIRCULATION	417	2	0.0
OTHER FORMS OF HEART DISEASES	420-429	16,187	134.9
ACUTE PERICARDITIS AND OTHER DISEASES OF PERICARDIUM	420,423	39	0.3
ACUTE AND SUBACUTE ENDOCARDITIS	421	52	0.4
OTHER DISEASES OF ENDOCARDIUM	424	843	7.0
CARDIOMYOPATHY	425	1,298	10.8
CONDUCTION DISORDERS	426	56	0.5
CARDIAC DYSRHYTHMIAS	427	5,486	45.7
HEART FAILURE	428	2,763	23.0
OTHER AND ILL-DEFINED HEART DISEASE	422,429	5,650	47.1
CEREBROVASCULAR DISEASE	430-438	8,036	67.0
SUBARACHNOID HEMORRHAGE	430	397	3.3
INTRACEREBRAL HEMORRHAGE	431	1,041	8.7
OTHER AND UNSPECIFIED INTRACRANIAL HEMORRHAGE	432	127	1.1
OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	433	60	0.5
OCCLUSION OF CEREBRAL ARTERIES	434	1,309	10.9
TRANSIENT CEREBRAL ISCHEMIA	435	32	0.3
ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	436	4,269	35.6
OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	437	604	5.0
LATE EFFECTS OF CEREBROVASCULAR DISEASE	438	197	1.6
DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	440-448	2,378	19.8
ATHEROSCLEROSIS	440	1,038	8.6
AORTIC ANEURYSM	441	942	7.8
OTHER ANEURYSM	442	30	0.2
OTHER PERIPHERAL VASCULAR DISEASE	443	203	1.7
ARTERIAL EMBOLISM AND THROMBOSIS	444	77	0.6
POLYARTERITIS NODOSA AND ALLIED CONDITIONS	446	24	0.2
OTHER DISORDERS OF ARTERIES AND ARTERIOLES	447	64	0.5
DISEASES OF CAPILLARIES	448	0	-
DISEASES OF VEINS AND LYMPHATICS, AND OTHER DISEASES OF CIRCULATORY SYSTEM	451-459	238	2.0
PHLEBITIS AND THROMBOPHLEBITIS	451	56	0.5
OTHER VENOUS EMBOLISM AND THROMBOSIS	452-453	22	0.2
VARICOSE VEINS	454-456	28	0.2
HYPOTENSION	458	82	0.7
OTHER DISORDERS OF CIRCULATORY SYSTEM	457,459	50	0.4
DISEASES OF THE RESPIRATORY SYSTEM	460-519	10,220	85.2
ACUTE RESPIRATORY INFECTIONS	460-466	42	0.3
ACUTE BRONCHITIS AND BRONCHIOLITIS	466	29	0.2
OTHER ACUTE RESPIRATORY INFECTIONS	460-465	13	0.1
OTHER DISEASES OF UPPER RESPIRATORY TRACT	470-478	19	0.2
PNEUMONIA AND INFLUENZA	480-487	3,990	33.2
VIRAL PNEUMONIA	480	14	0.1
PNEUMOCOCCAL PNEUMONIA	481	104	0.9
OTHER BACTERIAL PNEUMONIA	482	138	1.1
BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	485	268	2.2
PNEUMONIA, OTHER AND UNSPECIFIED	483,484,486	3,403	28.4
INFLUENZA	487	63	0.5

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	490-496	4,303	35.9
BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	490	32	0.3
CHRONIC BRONCHITIS	491	119	1.0
EMPHYSEMA	492	650	5.4
ASTHMA	493	178	1.5
BRONCHIECTASIS	494	41	0.3
EXTRINSIC ALLERGIC ALVEOLITIS AND OTHER CHRONIC AIRWAY OBSTRUCTIONS	495-496	3,283	27.4
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	500-508	937	7.8
COALWORKER'S PNEUMOCONIOSIS	500	429	3.6
ASBESTOSIS AND PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	501-502	36	0.3
PNEUMOCONIOSIS, OTHER AND UNSPECIFIED	503-505	6	0.0
PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	507	461	3.8
RESPIRATORY CONDITIONS DUE TO OTHER AND UNSPECIFIED EXTERNAL AGENTS	506,508	5	0.0
OTHER DISEASES OF RESPIRATORY SYSTEM	510-519	929	7.7
EMPYEMA	510	22	0.2
PLEURISY	511	76	0.6
PNEUMOTHORAX	512	24	0.2
ABSCESS OF LUNG AND MEDIASTINUM	513	30	0.2
PULMONARY CONGESTION AND HYPOSTASIS	514	78	0.6
POSTINFLAMMATORY PULMONARY FIBROSIS	515	211	1.8
OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY	516	31	0.3
OTHER DISEASES OF THE LUNG	517-518	398	3.3
OTHER DISEASES OF RESPIRATORY SYSTEM	519	59	0.5
DISEASES OF THE DIGESTIVE SYSTEM	520-579	4,104	34.2
DISEASES OF ORAL CAVITY, SALIVARY GLANDS, AND JAWS	520-529	6	0.0
DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM	530-537	441	3.7
DISEASES OF ESOPHAGUS	530	89	0.7
GASTRIC ULCER	531	94	0.8
DUODENAL ULCER	532	107	0.9
PEPTIC ULCER, SITE UNSPECIFIED	533	101	0.8
OTHER DISORDERS OF STOMACH AND DUODENUM	534-537	50	0.4
APPENDICITIS	540-543	26	0.2
HERNIA OF ABDOMINAL CAVITY	550-553	71	0.6
NONINFECTIVE ENTERITIS AND COLITIS	555-558	476	4.0
IDIOPATHIC PROCTOCOLITIS	556	33	0.3
VASCULAR INSUFFICIENCY OF INTESTINE	557	372	3.1
OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS	555,558	71	0.6
OTHER DISEASES OF INTESTINES AND PERITONEUM	560-569	623	5.2
INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	560	234	1.9
DIVERTICULA OF INTESTINE	562	133	1.1
PERITONITIS	567	94	0.8
OTHER DISORDERS OF PERITONEUM	568	5	0.0
OTHER DISORDERS OF INTESTINE	564-566,569	157	1.3

---

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
OTHER DISEASES OF DIGESTIVE SYSTEM	570-579	2,461	20.5
ACUTE AND SUBACUTE NECROSIS OF LIVER	570	19	0.2
CHRONIC LIVER DISEASE AND CIRRHOSIS	571	1,226	10.2
LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	572	272	2.3
OTHER DISORDERS OF LIVER	573	117	1.0
CHOLELITHIASIS	574	67	0.6
OTHER DISORDERS OF GALL BLADDER	575	83	0.7
OTHER DISORDERS OF BILIARY TRACT	576	62	0.5
DISEASES OF PANCREAS	577	135	1.1
GASTROINTESTINAL HEMORRHAGE	578	475	4.0
INTESTINAL MALABSORPTION	579	5	0.0
DISEASES OF THE GENITOURINARY SYSTEM	580-629	2,627	21.9
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	580-589	1,605	13.4
CHRONIC GLOMERULONEPHRITIS	582	38	0.3
NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CHRONIC	583	13	0.1
ACUTE RENAL FAILURE	584	302	2.5
CHRONIC RENAL FAILURE	585	303	2.5
RENAL FAILURE, UNSPECIFIED	586	921	7.7
OTHER RENAL DISORDERS	580-581,587-589	28	0.2
OTHER DISEASES OF URINARY SYSTEM	590-599	983	8.2
INFECTIONS OF KIDNEY	590	47	0.4
CALCULUS OF KIDNEY AND URETER	592	17	0.1
OTHER DISORDERS OF KIDNEY AND URETER	591,593	218	1.8
OTHER DISORDERS OF URETHRA AND URINARY TRACT	594-599	701	5.8
DISEASES OF MALE GENITAL ORGANS	600-608	27	0.2
HYPERPLASIA OF PROSTATE	600	25	0.2
OTHER DISORDERS OF MALE GENITAL ORGANS	601-608	2	0.0
DISORDERS OF THE BREAST	610-611	2	0.0
INFLAMMATORY DISEASE OF FEMALE PELVIC ORGANS	614-616	5	0.0
OTHER DISORDERS OF FEMALE GENITAL TRACT	617-629	5	0.0
COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	630-676	8	0.5
PREGNANCY WITH ABORTIVE OUTCOME	630-639	2	0.1
INDUCED ABORTION	635-636	0	-
OTHER ABORTION, ECTOPIC, AND MOLAR PREGNANCIES	630-634,637-639	2	0.1
COMPLICATIONS MAINLY RELATED TO PREGNANCY	640-648	4	0.2
OTHER INDICATIONS FOR CARE IN PREGNANCY, LABOR, AND DELIVERY	650-659	1	0.1
COMPLICATIONS OCCURRING MAINLY IN THE COURSE OF LABOR AND DELIVERY	660-669	0	-
COMPLICATIONS OF THE PUERPERIUM	670-676	1	0.1

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.
MATERNAL DEATH RATE (ICD CODES 630-676) PER 10,000 LIVE BIRTHS.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	680-709	257	2.1
INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	680-686	40	0.3
CELLULITIS AND ABSCESS	680-682	32	0.3
OTHER INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	683-686	8	0.1
OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	690-698	15	0.1
OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	700-709	202	1.7
CHRONIC ULCER OF SKIN	707	201	1.7
OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	700-706,708-709	1	0.0
DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	710-739	382	3.2
ARTHROPATHIES AND RELATED DISORDERS	710-719	262	2.2
DIFFUSE DISEASES OF CONNECTIVE TISSUE	710	143	1.2
RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES	714	75	0.6
OTHER ARTHROPATHIES AND RELATED DISORDERS	711-713,715-719	44	0.4
DORSOPATHIES	720-724	10	0.1
RHEUMATISM, EXCLUDING BACK	725-729	28	0.2
OSTEOPATHIES, CHONDROPATHIES, AND ACQUIRED MUSCULOSKELETAL DEFORMITIES	730-739	82	0.7
CONGENITAL ANOMALIES	740-759	558	4.6
ANENCEPHALUS AND SIMILAR ANOMALIES	740	26	0.2
SPINA BIFIDA	741	12	0.1
OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	742	42	0.3
BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	745	70	0.6
OTHER CONGENITAL ANOMALIES OF HEART	746	139	1.2
OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	747	57	0.5
CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	748	57	0.5
CONGENITAL ANOMALIES OF GENITOURINARY SYSTEM	752-753	35	0.3
CONGENITAL MUSCULOSKELETAL ANOMALIES	754-756	31	0.3
CHROMOSOMAL ANOMALIES	758	47	0.4
OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	743-744,749-751,757,759	42	0.3
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (SEE TABLE C-14 FOR DETAILS.)	760-779	841	7.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	780-799	2,182	18.2
SYMPTOMS	780-789	197	1.6
SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	785	144	1.2
OTHER SYMPTOMS	780-784,786-789	53	0.4

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
NONSPECIFIED ABNORMAL FINDINGS	790-796	2	0.0
ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	797-799	1,983	16.5
SENILITY WITHOUT MENTION OF PSYCHOSIS	797	41	0.3
SUDDEN DEATH, CAUSE UNKNOWN	798	220	1.8
OTHER ILL-DEFINED AND UNKNOWN CAUSE OF MORTALITY	799	1,722	14.3
EXTERNAL CAUSES OF INJURY AND POISONING	800-999	6,771	56.4
UNINTENTIONAL INJURIES	800-949	4,437	37.0
RAILWAY	800-807	31	0.3
MOTOR VEHICLE-TRAFFIC	810-819	1,921	16.0
INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE	811-812	701	5.8
INVOLVING COLLISION WITH ANOTHER VEHICLE	810,813	41	0.3
INVOLVING COLLISION WITH PEDESTRIAN	814	289	2.4
OTHER INVOLVING COLLISION ON THE HIGHWAY	815	351	2.9
DUE TO LOSS OF CONTROL, WITHOUT COLLISION ON THE HIGHWAY	816	116	1.0
OTHER NONCOLLISION	817-818	56	0.5
UNSPECIFIED NATURE	819	367	3.1
MOTOR VEHICLE-NONTRAFFIC	820-825	37	0.3
OTHER ROAD VEHICLE	826-829	3	0.0
WATER TRANSPORT	830-838	26	0.2
AIR AND SPACE TRANSPORT	840-845	32	0.3
DUE TO POWERED AIRCRAFT	840-841	28	0.2
OTHER AIR AND SPACE TRANSPORT	842-845	4	0.0
VEHICLE NOT ELSEWHERE CLASSIFIABLE	846-848	3	0.0
POISONING BY ANALGESICS, ANTIPYRETICS, AND ANTIRHEUMATICS	850	77	0.6
POISONING BY OTHER DRUGS, MEDICAMENTS, AND BIOLOGICALS	851-858	309	2.6
POISONING BY OTHER SOLID AND LIQUID SUBSTANCES, GASES, AND VAPORS	860-869	56	0.5
POISONING BY UTILITY GAS AND OTHER CARBON MONOXIDE	868	34	0.3
POISONING BY OTHER SOLID AND LIQUID SUBSTANCES, GASES, AND VAPORS	860-867,869	22	0.2
MISADVENTURE TO PATIENTS DURING SURGICAL AND MEDICAL CARE	870-876	24	0.2
CUT, PUNCTURE, PERFORATION OR HEMORRHAGE DURING MEDICAL CARE	870	17	0.1
OTHER AND UNSPECIFIED MISADVENTURE DURING MEDICAL CARE	871-876	7	0.1
SURGICAL AND MEDICAL PROCEDURES AS THE CAUSE OF ABNORMAL REACTION OF PATIENT OR LATER COMPLICATION WITHOUT MENTION OF MISADVENTURE AT THE TIME OF PROCEDURE	878-879	189	1.6
SURGICAL OPERATION AND OTHER SURGICAL PROCEDURES	878	165	1.4
OTHER PROCEDURES	879	24	0.2
FALLS	880-888	660	5.5
FALL ON OR FROM STAIRS OR STEPS	880	128	1.1
FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	882	30	0.2
OTHER FALL FROM ONE LEVEL TO ANOTHER	881,883-884	70	0.6
FRACTURE, CAUSE UNSPECIFIED	887	221	1.8
OTHER AND UNSPECIFIED FALL	885-886,888	211	1.8

---

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-13
RESIDENT DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
FIRE AND FLAMES	890-899	248	2.1
CONFLAGRATION IN PRIVATE DWELLING	890	218	1.8
OTHER FIRE AND FLAMES	891-899	30	0.2
NATURAL AND ENVIRONMENTAL FACTORS	900-909	82	0.7
EXCESSIVE COLD	901	46	0.4
OTHER NATURAL AND ENVIRONMENTAL FACTORS	900,902-909	36	0.3
SUBMERSION, SUFFOCATION, AND FOREIGN BODIES	910-915	358	3.0
DROWNING AND SUBMERSION	910	131	1.1
INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	911	58	0.5
INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	912	142	1.2
MECHANICAL SUFFOCATION	913	26	0.2
FOREIGN BODY ENTERING ORIFACE	914-915	1	0.0
OTHER UNINTENTIONAL INJURIES	916-928	348	2.9
STRUCK BY FALLING OBJECT	916	44	0.4
CAUSED BY MACHINERY	919	51	0.4
CAUSED BY FIREARM MISSILE	922	29	0.2
CAUSED BY ELECTRIC CURRENT	925	29	0.2
OTHER AND UNSPECIFIED CAUSES	917-918,920-921 923-924,926-928	195	1.6
LATE EFFECTS OF UNINTENTIONAL INJURY	929	21	0.2
DRUGS, MEDICAMENTS, AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE	930-949	12	0.1
SUICIDE	950-959	1,479	12.3
BY SOLID OR LIQUID SUBSTANCES	950	175	1.5
BY GASES AND VAPORS	951-952	142	1.2
BY HANGING, STRANGULATION, AND SUFFOCATION	953	254	2.1
BY SUBMERSION (DROWNING)	954	33	0.3
BY FIREARMS AND EXPLOSIVES	955	759	6.3
BY JUMPING FROM HIGH PLACE	957	46	0.4
BY OTHER AND UNSPECIFIED MEANS AND LATE EFFECTS	956,958-959	70	0.6
HOMICIDE	960-969	659	5.5
ASSAULT BY HANGING AND STRANGULATION	963	34	0.3
ASSAULT BY FIREARMS AND EXPLOSIVES	965	343	2.9
ASSAULT BY CUTTING AND PIERCING INSTRUMENT	966	142	1.2
OTHER INJURIES AND LATE EFFECTS	960-962,964,967-969	140	1.2
LEGAL INTERVENTION	970-978	7	0.1
INJURY UNDETERMINED WHETHER UNINTENTIONALLY OR PURPOSELY INFLICTED	980-989	188	1.6
POISONING BY SOLID OR LIQUID SUBSTANCES	980	103	0.9
POISONING BY GASES	981-982	9	0.1
SUBMERSION (DROWNING)	984	21	0.2
INJURY BY FIREARMS AND EXPLOSIVES	985	17	0.1
OTHER INJURIES AND LATE EFFECTS	983,986-989	38	0.3
INJURY RESULTING FROM OPERATIONS OF WAR	990-999	1	0.0

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 100,000 ESTIMATED 1988 POPULATION.

TABLE C-14
RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH
NUMBER AND RATE: PENNSYLVANIA, 1988

		INFANT DEATHS					
		TOTAL		NEONATAL			POST NEONATAL
CAUSE OF DEATH	ICD CODE*	NUMBER	RATE**	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	28-364 DAYS
ALL CAUSES	001-999	1,615	9.8	675	246	171	523
INFECTIOUS AND PARASITIC DISEASES	001-139	24	0.1	0	0	2	22
SEPTICEMIA	038	7	0.0	0	0	0	7
HIV (HUMAN IMMUNODEFICIENCY VIRUS) INFECTION	042-044	6	0.0	0	0	0	6
NEOPLASMS	140-239	6	0.0	0	4	1	1
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES, AND IMMUNITY DISORDERS	240-279	14	0.1	2	5	0	7
DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	280-289	4	0.0	0	1	1	2
MENTAL DISORDERS	290-319	0	-	0	0	0	0
DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	320-389	23	0.1	0	0	0	23
MENINGITIS	320-322	7	0.0	0	0	0	7
DISEASES OF THE CIRCULATORY SYSTEM	390-459	53	0.3	6	5	4	38
CARDIAC DYSRHYTHMIAS	427	28	0.2	5	2	1	20
DISEASES OF THE RESPIRATORY SYSTEM	460-519	43	0.3	1	3	3	36
PNEUMONIA	480-486	22	0.1	0	3	3	16
DISEASES OF THE DIGESTIVE SYSTEM	520-579	9	0.1	0	0	2	7
NONINFECTIVE ENTERITIS AND COLITIS	555-558	1	0.0	0	0	0	1
DISEASES OF THE GENITOURINARY SYSTEM	580-629	6	0.0	0	2	1	3
DISEASES OF THE CUTANEOUS AND MUSCULOSKELETAL SYSTEMS	680-739	1	0.0	0	0	0	1
CONGENITAL ANOMALIES	740-759	327	2.0	114	83	47	83
ANENCEPHALUS AND SIMILAR ANOMALIES	740	26	0.2	21	3	0	2
SPINA BIFIDA	741	3	0.0	1	0	0	2
OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM AND SENSE ORGANS	742-744	17	0.1	5	4	1	7
MICROCEPHALUS	742.1	4	0.0	1	0	0	3
CONGENITAL HYDROCEPHALUS	742.3	3	0.0	0	1	0	2

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 1,000 LIVE BIRTHS.

TABLE C-14
RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH
NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

		INFANT DEATHS					
		TOTAL		NEONATAL			POST NEONATAL
CAUSE OF DEATH	ICD CODE*	NUMBER	RATE**	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	28-364 DAYS
BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	745	27	0.2	0	7	3	17
TRANSPOSITION OF GREAT VESSELS	745.1	6	0.0	0	4	0	2
TETRALOGY OF FALLOT	745.2	7	0.0	0	2	1	4
OTHER CONGENITAL ANOMALIES OF HEART	746	74	0.4	2	25	22	25
HYPOPLASTIC LEFT HEART SYNDROME	746.7	23	0.1	1	15	4	3
OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	747	28	0.2	2	10	8	8
COARCTATION OF AORTA	747.1	1	0.0	0	0	0	1
ANOMALIES OF PULMONARY ARTERY	747.3	6	0.0	0	0	2	4
ANOMALIES OF GREAT VEINS	747.4	5	0.0	0	2	2	1
CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	748	50	0.3	32	12	3	3
ANOMALIES OF LARYNX, TRACHEA, AND BRONCHUS	748.2-748.3	1	0.0	0	0	0	1
AGENESIS, HYPOPLASIA, AND DYSPLASIA OF LUNG	748.5	42	0.3	32	8	1	1
CONGENITAL ANOMALIES OF UPPER ALIMENTARY SYSTEM	749-750	1	0.0	0	1	0	0
CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	751	0	-	0	0	0	0
CONGENITAL ANOMALIES OF GENITOURINARY SYSTEM	752-753	18	0.1	15	3	0	0
RENAL AGENESIS AND DYSGENESIS	753.0	15	0.1	14	1	0	0
CONGENITAL MUSCULOSKELETAL ANOMALIES	754-756	28	0.2	14	6	5	3
ANOMALIES OF DIAPHRAGM	756.6	17	0.1	9	5	3	0
CONGENITAL ANOMALIES OF THE INTEGUMENT	757	0	-	0	0	0	0
CHROMOSOMAL ANOMALIES	758	32	0.2	7	8	4	13
DOWN SYNDROME	758.0	5	0.0	0	1	0	4
PATAU'S SYNDROME	758.1	4	0.0	3	0	1	0
EDWARD'S SYNDROME	758.2	17	0.1	4	5	2	6
OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	759	23	0.1	15	4	1	3
MULTIPLE CONGENITAL ANOMALIES, SO DESCRIBED	759.7	14	0.1	11	1	1	1
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	760-779	838	5.1	549	140	92	57
NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	760	5	0.0	4	0	1	0
NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	761	58	0.4	58	0	0	0
INCOMPETENT CERVIX	761.0	10	0.1	10	0	0	0
PREMATURE RUPTURE OF MEMBRANES	761.1	14	0.1	14	0	0	0
MULTIPLE PREGNANCY	761.5	31	0.2	31	0	0	0

---

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 1,000 LIVE BIRTHS.

TABLE C-14
RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH
NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

		INFANT DEATHS					
		TOTAL		NEONATAL			POST NEONATAL
CAUSE OF DEATH	ICD CODE*	NUMBER	RATE**	UNDER 1 DAY	1-6 DAYS	7-27 DAYS	28-364 DAYS
NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	762	34	0.2	31	1	2	0
PLACENTA PREVIA	762.0	3	0.0	3	0	0	0
OTHER FORMS OF PLACENTAL SEPARATION AND HEMORRHAGE	762.1	14	0.1	13	0	1	0
PROLAPSED CORD AND OTHER COMPRESSION OF UMBILICAL CORD	762.4-762.5	2	0.0	1	1	0	0
CHORIOAMNIONITIS	762.7	9	0.1	9	0	0	0
NEWBORN AFFECTED BY OTHER COMPLICATIONS OF LABOR AND DELIVERY	763	2	0.0	1	0	1	0
SLOW FETAL GROWTH AND FETAL MALNUTRITION	764	1	0.0	0	1	0	0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	765	149	0.9	144	4	1	0
EXTREME IMMATURITY	765.0	97	0.6	93	3	1	0
OTHER PRETERM INFANT	765.1	52	0.3	51	1	0	0
DISORDERS RELATING TO LONG GESTATION AND HIGH BIRTH WEIGHT	766	0	-	0	0	0	0
BIRTH TRAUMA	767	9	0.1	3	4	2	0
SUBDURAL AND CEREBRAL HEMORRHAGE	767.0	8	0.0	2	4	2	0
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	768	48	0.3	25	17	6	0
FETAL DISTRESS	768.2-768.4	21	0.1	7	9	5	0
BIRTH ASPHYXIA	768.5-768.9	27	0.2	18	8	1	0
RESPIRATORY DISTRESS SYNDROME	769	137	0.8	57	47	21	12
OTHER RESPIRATORY CONDITIONS OF NEWBORN	770	168	1.0	87	22	23	36
CONGENITAL PNEUMONIA	770.0	2	0.0	1	0	1	0
MASSIVE ASPIRATION SYNDROME	770.1	9	0.1	2	5	2	0
INTERSTITIAL EMPHYSEMA AND RELATED CONDITIONS	770.2	13	0.1	9	0	4	0
PRIMARY ATELECTASIS	770.4	23	0.1	18	1	4	0
CHRONIC RESPIRATORY DISEASE ARISING IN THE PERINATAL PERIOD	770.7	39	0.2	3	1	1	34
OTHER AND UNSPECIFIED RESPIRATORY PROBLEMS DURING PERINATAL PERIOD	770.3,770.5,770.8,770.9	82	0.5	54	15	11	2
INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	771	36	0.2	11	12	12	1
NEONATAL HEMORRHAGE	772	14	0.1	3	6	3	2
INTRAVENTRICULAR HEMORRHAGE	772.1	13	0.1	2	6	3	2
HEMOLYTIC DISEASE OF NEWBORN DUE TO ISOIMMUNIZATION AND OTHER PERINATAL JAUNDICE	773-774	1	0.0	0	1	0	0
ENDOCRINE AND METABOLIC DISTURBANCES SPECIFIC TO THE NEWBORN	775	0	-	0	0	0	0

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 1,000 LIVE BIRTHS.

TABLE C-14
RESIDENT INFANT DEATHS BY CAUSE AND AGE AT DEATH
NUMBER AND RATE: PENNSYLVANIA, 1988 (CONTINUED)

CAUSE OF DEATH	ICD CODE*	INFANT DEATHS TOTAL NUMBER	RATE**	NEONATAL UNDER 1 DAY	1-6 DAYS	7-27 DAYS	POST NEONATAL 28-364 DAYS
HEMATOLOGICAL DISORDERS OF NEWBORN	776	2	0.0	0	1	1	0
PERINATAL DISORDERS OF DIGESTIVE SYSTEM	777	23	0.1	2	5	12	4
NECROTIZING ENTEROCOLITIS IN NEWBORN	777.5	20	0.1	0	5	12	3
CONDITIONS INVOLVING THE INTEGUMENT AND TEMPERATURE REGULATION OF NEWBORN	778	11	0.1	8	3	0	0
OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	779	140	0.8	115	16	7	2
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	780-799	225	1.4	1	1	18	205
SUDDEN INFANT DEATH SYNDROME	798.0	206	1.2	0	0	17	189
EXTERNAL CAUSES OF INJURY AND POISONING	800-999	42	0.3	2	2	0	38
UNINTENTIONAL INJURIES	800-949	30	0.2	1	2	0	27
MOTOR VEHICLE	810-825	7	0.0	0	1	0	6
OTHER TRANSPORT	800-807,826-848	0	-	0	0	0	0
POISONING	850-869	0	-	0	0	0	0
MISADVENTURES TO PATIENTS DURING SURGICAL AND MEDICAL CARE	870-876	0	-	0	0	0	0
SURGICAL AND MEDICAL PROCEDURES AS THE CAUSE OF ABNORMAL REACTION OF PATIENT OR LATER COMPLICATION	878-879	3	0.0	0	1	0	2
FALLS	880-888	0	-	0	0	0	0
FIRE AND FLAMES	890-899	7	0.0	0	0	0	7
NATURAL AND ENVIRONMENTAL FACTORS	900-909	1	0.0	0	0	0	1
SUBMERSION, SUFFOCATION, AND FOREIGN BODIES	910-915	12	0.1	1	0	0	11
DROWNING AND SUBMERSION	910	3	0.0	1	0	0	2
INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	911	4	0.0	0	0	0	4
INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	912	1	0.0	0	0	0	1
MECHANICAL SUFFOCATION	913	4	0.0	0	0	0	4
OTHER AND LATE EFFECTS OF UNINTENTIONAL INJURIES	916-929	0	-	0	0	0	0
DRUGS, MEDICAMENTS, AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE	930-949	0	-	0	0	0	0
HOMICIDE	960-969	11	0.1	1	0	0	10
INJURY UNDETERMINED WHETHER UNINTENTIONALLY OR PURPOSELY INFLICTED	980-989	1	0.0	0	0	0	1

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.
**RATE PER 1,000 LIVE BIRTHS.

TABLE C-15
RESIDENT FETAL DEATHS BY CAUSE, NUMBER AND RATE: PENNSYLVANIA, 1988

CAUSE OF DEATH	ICD CODE*	NUMBER OF DEATHS	RATE**
ALL CAUSES	001-999	3,184	18.9
CONGENITAL ANOMALIES	740-759	159	1.0
ANENCEPHALUS AND SIMILAR ANOMALIES	740	41	0.2
SPINA BIFIDA	741	4	0.0
OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM AND SENSE ORGANS	742-744	12	0.1
CONGENITAL HYDROCEPHALUS	742.3	8	0.0
CHROMOSOMAL ANOMALIES	758	26	0.2
OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	745-757,759	76	0.5
MULTIPLE CONGENITAL ANOMALIES, SO DESCRIBED	759.7	53	0.3
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	760-779	3,022	18.0
FETUS AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	760	79	0.5
MATERNAL HYPERTENSIVE DISORDERS	760.0	37	0.2
MATERNAL INFECTIONS	760.2	6	0.0
MATERNAL INJURY	760.5	13	0.1
FETUS AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	761	285	1.7
INCOMPETENT CERVIX	761.0	48	0.3
PREMATURE RUPTURE OF MEMBRANES	761.1	161	1.0
POLYHYDRAMNIOS	761.3	1	0.0
MULTIPLE PREGNANCY	761.5	44	0.3
FETUS AFFECTED BY COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	762	584	3.5
PLACENTA PRAEVIA	762.0	14	0.1
OTHER FORMS OF PLACENTAL SEPARATION AND HEMORRHAGE	762.1	173	1.0
OTHER AND UNSPECIFIED MORPHOLOGICAL AND FUNCTIONAL ABNORMALITIES OF PLACENTA	762.2	81	0.5
PLACENTAL TRANSFUSION SYNDROMES	762.3	3	0.0
PROLAPSED CORD	762.4	20	0.1
OTHER COMPRESSION OF UMBILICAL CORD	762.5	116	0.7
OTHER AND UNSPECIFIED CONDITIONS OF UMBILICAL CORD	762.6	120	0.7
CHORIOAMNIONITIS	762.7	56	0.3
FETUS AFFECTED BY OTHER COMPLICATIONS OF LABOR AND DELIVERY	763	8	0.0
SLOW FETAL GROWTH AND FETAL MALNUTRITION	764	8	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	765	154	0.9
INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	768	39	0.2
RESPIRATORY DISTRESS SYNDROME	769	0	-
OTHER RESPIRATORY CONDITIONS OF FETUS	770	10	0.1
INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	771	5	0.0
FETAL HEMORRHAGE	772	0	-
HEMOLYTIC DISEASE OF FETUS DUE TO ISOIMMUNIZATION	773	2	0.0
ENDOCRINE AND METABOLIC DISTURBANCES SPECIFIC TO THE FETUS	775	10	0.1
MATERNAL DIABETES MELLITUS AFFECTING FETUS	775.0	10	0.1
HEMATOLOGICAL DISORDERS OF FETUS	776	4	0.0
OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	766-767,774,777-779	1,834	11.0
TERMINATION OF PREGNANCY	779.6	1,271	7.6
OTHER AND UNKNOWN CAUSES	001-739,780-999	3	0.0

---

* INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION, 1975.

**RATE PER 1,000 DELIVERIES (LIVE BIRTHS + FETAL DEATHS).

TABLE C-16A
HEART DISEASE DEATHS, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE
1988	47,810	398.3	767,400**	312.2
1987	47,381	396.9	760,353	312.4
1986	47,991	403.7	765,490	317.5
1985	48,692	410.4	771,169	323.0
1984	48,645	408.8	765,114	323.5
1983	49,780	418.5	770,432	329.2
1982	48,470	407.8	755,592	326.0
1981	48,786	411.2	753,884	328.7
1980	50,677	427.2	761,085	336.0
1979	48,407	412.7	733,235	326.5
1978	48,573	413.3	729,510	334.3
1977	48,444	411.1	718,850	332.3
1976	49,730	419.2	723,878	337.2
1975	49,323	417.0	716,215	336.2
1974	50,625	427.7	738,171	349.2
1973	52,730	443.0	757,075	360.8
1972	53,098	445.2	755,864	363.0
1971	53,222	448.0	743,368	360.5
1970	52,476	444.7	735,542	362.0
1969	52,816	447.5	739,265	367.1
1968	54,398	462.7	744,658	373.5
1967	53,121	456.1	721,268	364.5
1966	53,874	462.7	727,002	371.2
1965	52,685	456.7	712,087	367.4
1964	52,078	454.5	699,861	365.7
1963	53,495	468.3	707,830	375.2
1962	52,751	463.7	688,009	370.1
1961	51,735	451.1	663,391	362.4
1960	51,431	454.4	661,712	369.0
1959	50,196	443.3	641,044	363.2
1958	49,673	447.5	637,246	367.7
1957	49,393	442.4	628,504	369.6
1956	47,796	429.4	602,995	361.1
1955	46,690	421.8	584,620	356.5
1954	44,382	407.3	560,077	348.3
1953	45,784	422.8	570,275	361.2
1952	44,246	412.2	555,141	357.4
1951	44,443	419.4	545,675	356.8
1950	43,793	416.4	535,705	356.8

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-9
HEART DISEASE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

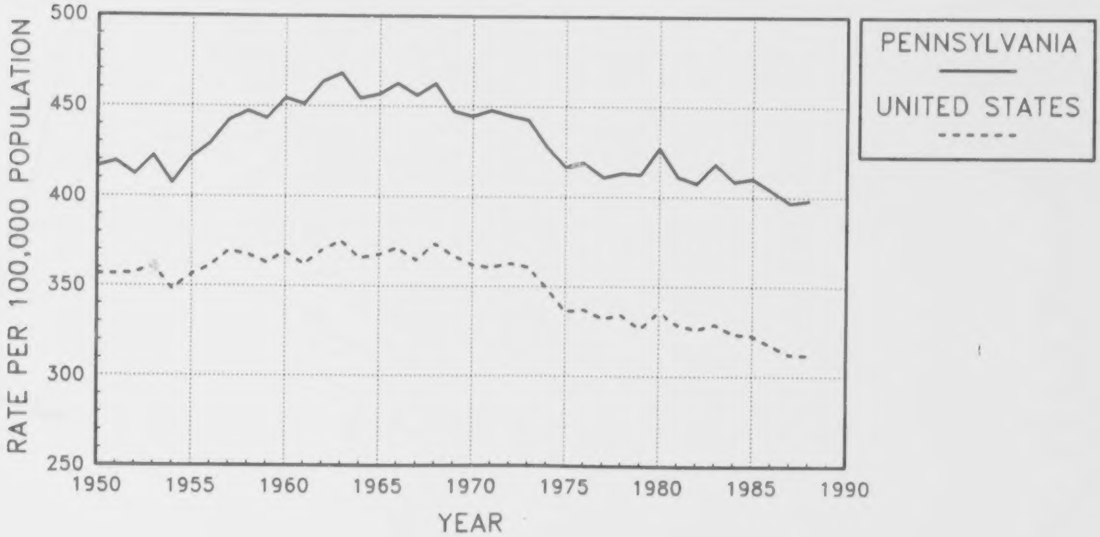


TABLE C-16B
RESIDENT HEART DISEASE DEATHS BY TYPE AND SEX
NUMBER AND PERCENT: PENNSYLVANIA, 1988

		MALE **		FEMALE	
TYPE OF HEART DISEASE*	TOTAL	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL HEART DISEASE	47,810	23,300	100.0	24,510	100.0
RHEUMATIC HEART DISEASE	468	140	0.6	328	1.3
HEART DISEASE WITH HYPERTENSION	1,055	426	1.8	629	2.6
ACUTE MYOCARDIAL INFARCTION	15,082	8,146	35.0	6,936	28.3
ISCHEMIC EXCL. MYOCARDIAL INFARCT.	14,104	6,670	28.6	7,434	30.3
DISEASES OF PULMONARY CIRCULATION	914	419	1.8	495	2.0
OTHER HEART DISEASE	16,187	7,499	32.2	8,688	35.4

* THE FOLLOWING 9TH REVISION ICD CODES WERE USED IN THIS TABLE:
RHEUMATIC HEART DISEASE=390-398
HEART DISEASE WITH HYPERTENSION=402,404
ACUTE MYOCARDIAL INFARCTION=410
ISCHEMIC EXCL. MYOCARDIAL INFARCTION=411-414
DISEASES OF PULMONARY CIRCULATION=415-417
OTHER HEART DISEASE=420-429
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

FIGURE C-10
RESIDENT HEART DISEASE DEATHS
PERCENT BY TYPE, PENNSYLVANIA, 1988

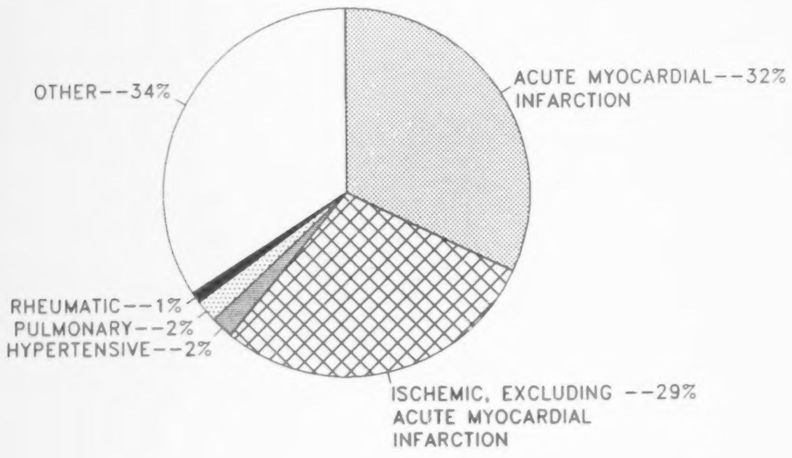


TABLE C-17A
MALIGNANT NEOPLASM DEATHS, NUMBER AND RATE*: PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE
1988	28,316	235.9	488,240**	198.6
1987	28,767	241.0	476,927	195.9
1986	28,037	235.8	469,376	194.7
1985	27,901	235.2	461,563	193.3
1984	27,468	230.8	453,492	191.8
1983	26,917	226.3	442,986	189.3
1982	26,483	222.8	433,795	187.2
1981	26,059	219.6	422,094	184.0
1980	26,040	219.5	416,509	183.9
1979	25,374	216.3	403,395	179.6
1978	25,376	215.9	396,992	181.9
1977	24,244	205.7	386,686	178.7
1976	24,175	203.8	377,312	175.8
1975	23,547	199.1	365,693	171.6
1974	23,239	196.4	360,472	170.5
1973	22,709	190.8	351,055	167.3
1972	22,733	190.6	345,618	166.0
1971	22,364	188.3	337,398	163.6
1970	22,013	186.5	330,730	162.3
1969	22,124	187.4	323,092	160.4
1968	22,065	187.7	318,547	159.8
1967	21,450	184.2	310,983	157.2
1966	21,182	182.0	303,736	155.1
1965	20,767	180.0	297,588	153.5
1964	20,611	179.9	289,577	151.3
1963	20,316	177.8	285,362	151.3
1962	20,003	175.8	278,562	149.9
1961	19,933	173.8	273,502	149.4
1960	19,612	173.3	267,627	149.2
1959	19,218	169.7	260,047	147.3
1958	18,856	169.9	254,426	146.8
1957	19,066	170.8	253,183	148.7
1956	18,726	168.2	247,357	147.9
1955	18,259	164.0	240,681	146.5
1954	17,974	165.0	234,669	145.6
1953	17,531	161.9	229,079	144.7
1952	17,335	161.5	223,277	143.3
1951	16,678	157.4	215,525	140.5
1950	16,326	155.2	210,733	139.8

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-11
MALIGNANT NEOPLASM DEATH RATES PENNSYLVANIA AND UNITED STATES, 1950-1988

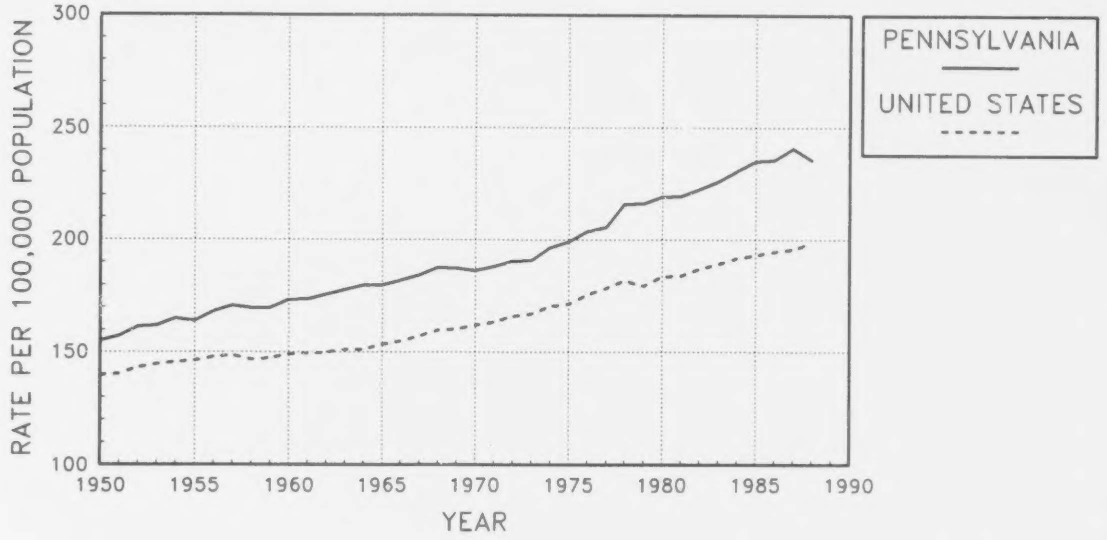


TABLE C-17B
RESIDENT MALIGNANT NEOPLASM DEATHS BY TYPE AND AGE - MALES*
PENNSYLVANIA, 1988

		AGE AT DEATH (IN YEARS)								
MALIGNANT NEOPLASM SITE**	ALL AGES	UNDER 5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+ ***
TOTAL MALIGNANT NEOPLASMS	14,810	17	25	51	116	324	908	3,189	5,127	5,053
BUCCAL CAVITY & PHARYNX	277	0	0	1	1	7	33	80	93	62
DIGESTIVE SYSTEM	3,638	1	1	1	8	66	192	779	1,302	1,288
RESPIRATORY SYSTEM	5,145	0	0	1	9	73	387	1,381	1,896	1,398
BONE, TISSUE, SKIN & BREAST	368	1	2	9	19	29	35	87	101	85
GENITOURINARY SYSTEM	2,349	0	1	5	7	12	48	281	753	1,242
OTHER & UNSPECIFIED SITES	1,643	7	7	7	28	81	133	344	561	475
LEUKEMIA	569	5	13	17	19	22	23	78	169	223
LYMPHATIC & HEMATOPOIETIC	821	3	1	10	25	34	57	159	252	280

TABLE C-17C
RESIDENT MALIGNANT NEOPLASM DEATHS BY TYPE AND AGE - FEMALES
PENNSYLVANIA, 1988

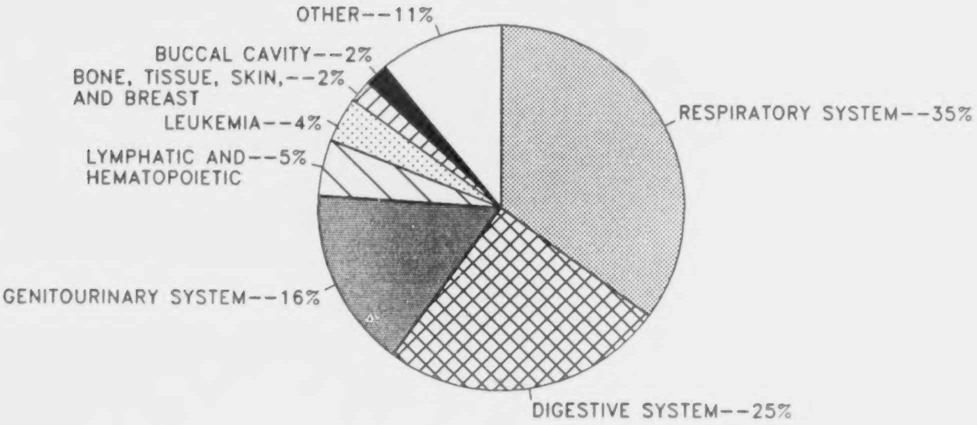
		AGE AT DEATH (IN YEARS)								
MALIGNANT NEOPLASM SITE**	ALL AGES	UNDER 5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+ ***
TOTAL MALIGNANT NEOPLASMS	13,506	10	15	38	132	390	997	2,508	4,122	5,294
BUCCAL CAVITY & PHARYNX	116	0	0	0	0	1	10	26	29	50
DIGESTIVE SYSTEM	3,440	0	0	3	9	45	143	498	1,004	1,738
RESPIRATORY SYSTEM	2,487	0	0	1	6	48	201	604	906	721
BONE, TISSUE, SKIN & BREAST	2,831	0	2	5	46	151	351	646	785	845
GENITOURINARY SYSTEM	1,801	0	0	2	22	56	144	318	563	696
OTHER & UNSPECIFIED SITES	1,554	3	4	8	20	45	88	242	457	687
LEUKEMIA	451	5	7	14	12	18	25	46	123	201
LYMPHATIC & HEMATOPOIETIC	826	2	2	5	17	26	35	128	255	356

* UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

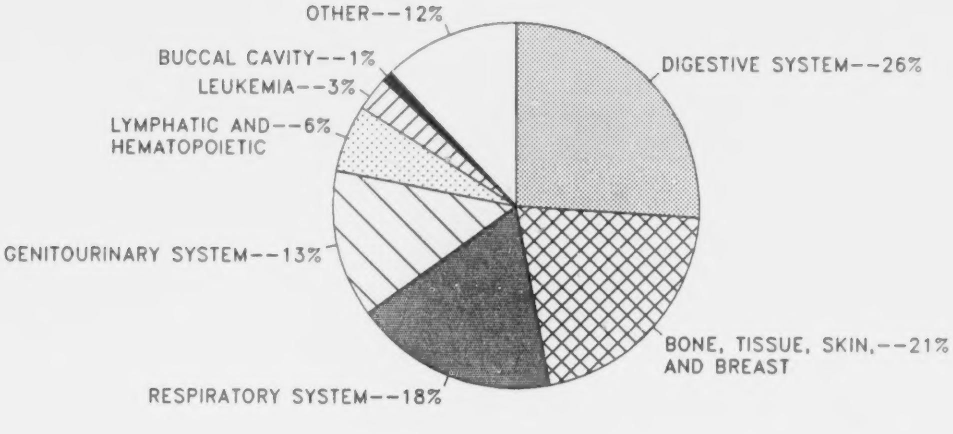
** THE FOLLOWING 9TH REVISION ICD CODES WERE USED IN THE ABOVE TABLES:
BUCCAL CAVITY AND PHARYNX=140-149
DIGESTIVE SYSTEM=150-159
RESPIRATORY SYSTEM=160-165
BONE, TISSUE, SKIN AND BREAST=170-175
GENITOURINARY SYSTEM=179-189
OTHER AND UNSPECIFIED SITES=190-199
LEUKEMIA=204-208
LYMPHATIC AND HEMATOPOIETIC=200-203

***UNKNOWN AGE INCLUDED IN THE 75+ AGE GROUP.

FIGURE C-12
RESIDENT MALIGNANT NEOPLASM DEATHS BY SEX PERCENT BY TYPE, PENNSYLVANIA, 1988



MALE



FEMALE

TABLE C-17D
RESIDENT MALIGNANT NEOPLASM DEATHS BY TYPE AND RACE
NUMBER AND RATE*: PENNSYLVANIA, 1988

MALIGNANT NEOPLASM SITE**	TOTAL	WHITE***		ALL OTHER RACES	
		NUMBER	RATE	NUMBER	RATE
TOTAL MALIGNANT NEOPLASMS	28,316	25,704	239.0	2,612	209.3
BUCCAL CAVITY & PHARYNX	393	339	3.2	54	4.3
DIGESTIVE SYSTEM	7,078	6,428	59.8	650	52.1
RESPIRATORY SYSTEM	7,632	6,851	63.7	781	62.6
BONE, TISSUE, SKIN & BREAST	3,199	2,951	27.4	248	19.9
GENITOURINARY SYSTEM	4,150	3,748	34.9	402	32.2
OTHER & UNSPECIFIED SITES	3,197	2,921	27.2	276	22.1
LEUKEMIA	1,020	956	8.9	64	5.1
LYMPHATIC & HEMATOPOIETIC	1,647	1,510	14.0	137	11.0

* RATE PER 100,000 POPULATION FOR EACH RACE.

** THE FOLLOWING 9TH REVISION ICD CODES WERE USED IN THE ABOVE TABLE:
BUCCAL CAVITY AND PHARYNX=140-149
DIGESTIVE SYSTEM=150-159
RESPIRATORY SYSTEM=160-165
BONE, TISSUE, SKIN AND BREAST=170-175
GENITOURINARY SYSTEM=179-189
OTHER AND UNSPECIFIED SITES=190-199
LEUKEMIA=204-208
LYMPHATIC AND HEMATOPOIETIC=200-203

***UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.

FIGURE C-13
RESIDENT MALIGNANT NEOPLASM DEATHS
PERCENT BY TYPE, PENNSYLVANIA, 1988

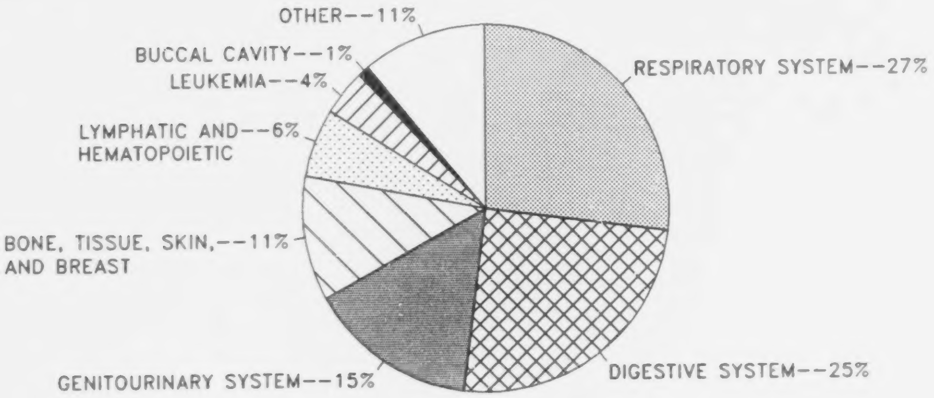


TABLE C-18A
DEATHS DUE TO UNINTENTIONAL INJURY, NUMBER AND RATE*: PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1988	4,437	37.0	97,500**	39.7	1968	5,589	47.5	114,864	57.6
1987	4,464	37.4	95,020	39.0	1967	5,459	46.9	113,169	57.2
1986	4,182	35.2	95,277	39.5	1966	5,223	44.9	113,563	58.0
1985	4,113	34.7	93,457	39.1	1965	5,351	46.4	108,004	55.7
1984	4,178	35.1	92,911	39.3	1964	5,165	45.1	103,843	54.3
1983	4,147	34.9	92,488	39.5	1963	5,154	45.1	100,669	53.4
1982	4,112	34.6	94,082	40.6	1962	5,024	44.2	97,139	52.3
1981	4,375	36.9	100,704	43.9	1961	4,762	41.5	92,249	50.4
1980	4,586	38.7	105,718	46.7	1960	4,866	43.0	93,806	52.3
1979	4,777	40.7	105,312	46.9	1959	5,036	44.5	92,080	52.2
1978	4,487	38.2	105,561	48.4	1958	5,056	45.5	90,604	52.3
1977	4,654	39.5	103,202	47.7	1957	5,374	48.1	95,307	56.0
1976	4,531	38.2	100,761	46.9	1956	5,430	48.8	94,780	56.7
1975	4,702	39.8	103,030	48.4	1955	5,659	50.8	93,443	56.9
1974	4,798	40.6	104,622	49.5	1954	5,472	50.2	90,032	55.9
1973	5,140	43.2	115,821	55.2	1953	5,747	53.1	95,032	60.0
1972	5,259	44.1	115,448	55.4	1952	5,783	53.9	96,172	61.7
1971	5,387	45.3	113,439	55.0	1951	5,831	55.0	95,871	62.5
1970	5,336	45.2	114,638	57.6	1950	5,697	54.2	91,249	60.6
1969	5,362	45.4	116,385	57.8					

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-14
UNINTENTIONAL INJURY DEATH RATES PENNSYLVANIA AND UNITED STATES, 1950-1988

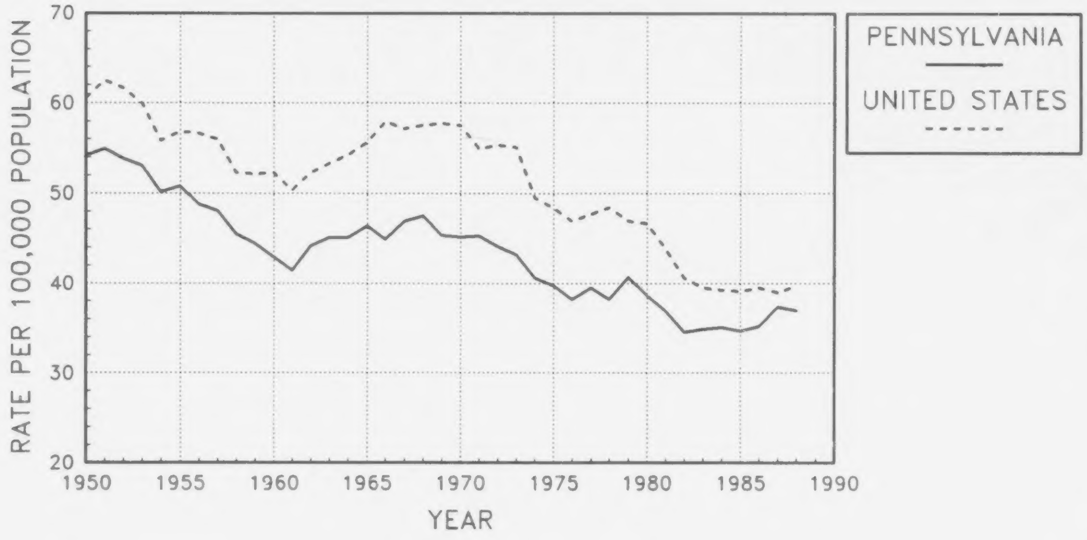


TABLE C-18B
RESIDENT DEATHS DUE TO UNINTENTIONAL INJURY BY TYPE AND AGE, PENNSYLVANIA, 1988

		AGE AT DEATH (IN YEARS)								
DEATHS BY TYPE OF UNINTENTIONAL INJURY*	ALL AGES	UNDER 5	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+ **
TOTAL	4,437	124	159	748	708	490	293	377	483	1,055
MOTOR VEHICLE	1,958	31	92	578	386	230	134	157	153	197
POISONING	442	2	0	39	171	125	27	21	15	42
SURGICAL COMPLICATIONS, ETC.	213	5	4	3	6	8	11	23	64	89
FALLS	660	3	2	12	18	24	33	54	116	398
FIRES	248	46	20	21	15	25	17	26	27	51
SUBMERSION, SUFFOCATION, ETC.	358	32	22	34	38	18	21	22	44	127
OTHER UNINTENTIONAL INJURIES	558	5	19	61	74	60	50	74	64	151

TABLE C-18C
RESIDENT DEATHS DUE TO UNINTENTIONAL INJURY BY TYPE AND SEX NUMBER AND PERCENT: PENNSYLVANIA, 1988

		MALE ***		FEMALE	
DEATHS BY TYPE OF UNINTENTIONAL INJURY*	TOTAL	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	4,437	2,941	100.0	1,496	100.0
MOTOR VEHICLE	1,958	1,359	46.2	599	40.0
POISONING	442	338	11.5	104	7.0
SURGICAL COMPLICATIONS, ETC.	213	107	3.6	106	7.1
FALLS	660	355	12.1	305	20.4
FIRES	248	139	4.7	109	7.3
SUBMERSION, SUFFOCATION, ETC.	358	223	7.6	135	9.0
OTHER UNINTENTIONAL INJURIES	558	420	14.3	138	9.2

* THE FOLLOWING 9TH REVISION ICD CODES WERE USED IN THE ABOVE TABLES:
MOTOR VEHICLE=E810-E825
POISONING=E850-E869
SURGICAL COMPLICATIONS/MISADVENTURES=E870-E879
FALLS=E880-E888
FIRES=E890-E899
SUBMERSION, SUFFOCATION AND FOREIGN BODIES=E910-E915
OTHER UNINTENTIONAL INJURIES=E800-E807, E826-E848, E900-E909, E916-E49
** UNKNOWN AGE INCLUDED IN THE 75+ AGE GROUP.
***UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

FIGURE C-15
RESIDENT DEATHS DUE TO UNINTENTIONAL INJURY
PERCENT BY AGE GROUP, PENNSYLVANIA, 1988

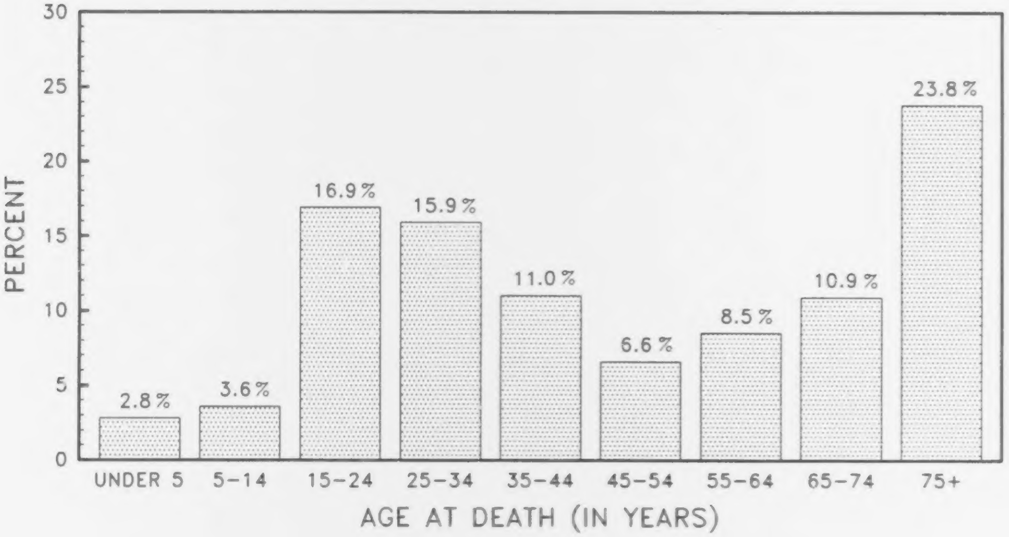


FIGURE C-16
RESIDENT DEATHS DUE TO UNINTENTIONAL INJURY
PERCENT BY TYPE, PENNSYLVANIA, 1988

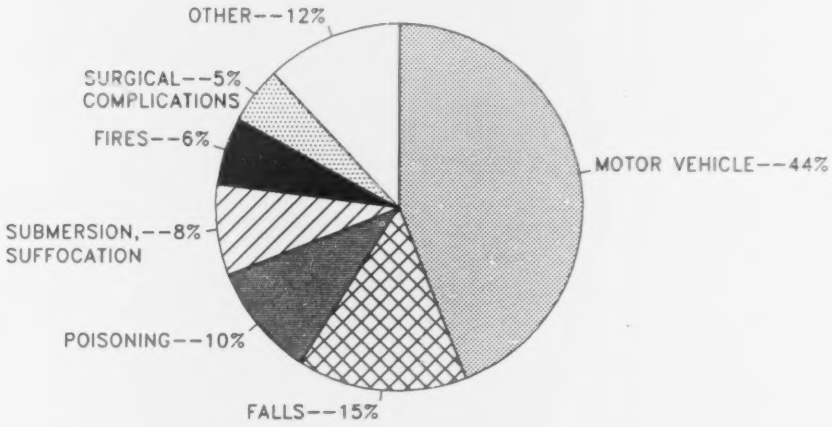


TABLE C-19
CEREBROVASCULAR DISEASE DEATHS, NUMBER AND RATE*: PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE
1988	8,036	67.0	150,300**	61.1
1987	8,019	67.2	149,835	61.6
1986	7,961	67.0	149,643	62.1
1985	8,175	68.9	153,050	64.1
1984	8,334	70.0	154,327	65.3
1983	8,384	70.6	155,598	66.5
1982	8,559	72.0	157,710	68.0
1981	8,913	75.1	163,504	71.3
1980	9,539	80.4	170,225	75.1
1979	9,132	77.8	169,488	77.0
1978	9,559	81.4	175,629	80.5
1977	10,356	87.9	181,934	84.1
1976	10,749	90.6	188,623	87.9
1975	11,311	95.6	194,038	91.1
1974	12,014	101.5	207,424	98.1
1973	12,616	106.0	214,313	102.1
1972	12,438	104.3	213,344	102.5
1971	12,472	105.0	209,092	101.1
1970	12,573	106.6	207,166	101.9
1969	12,444	105.4	207,179	102.6
1968	12,994	110.5	211,390	105.8
1967	12,295	105.6	202,184	102.2
1966	12,685	109.0	204,841	104.6
1965	12,466	108.1	201,057	103.7
1964	12,268	107.1	198,209	103.6
1963	12,669	110.9	201,166	106.7
1962	12,623	111.0	197,451	106.3
1961	12,598	109.9	192,951	105.5
1960	12,632	111.6	193,588	108.0
1959	12,780	112.9	191,376	108.5
1958	12,700	114.4	190,758	110.1
1957	12,755	114.2	187,709	110.2
1956	11,997	107.8	177,845	106.3
1955	12,210	109.7	174,142	106.0
1954	11,529	105.8	167,777	104.1
1953	11,921	110.1	169,800	107.3
1952	11,704	109.1	166,331	106.8
1951	11,475	108.3	163,550	106.6
1950	11,043	105.0	156,751	104.0

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-17
CEREBROVASCULAR DISEASE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

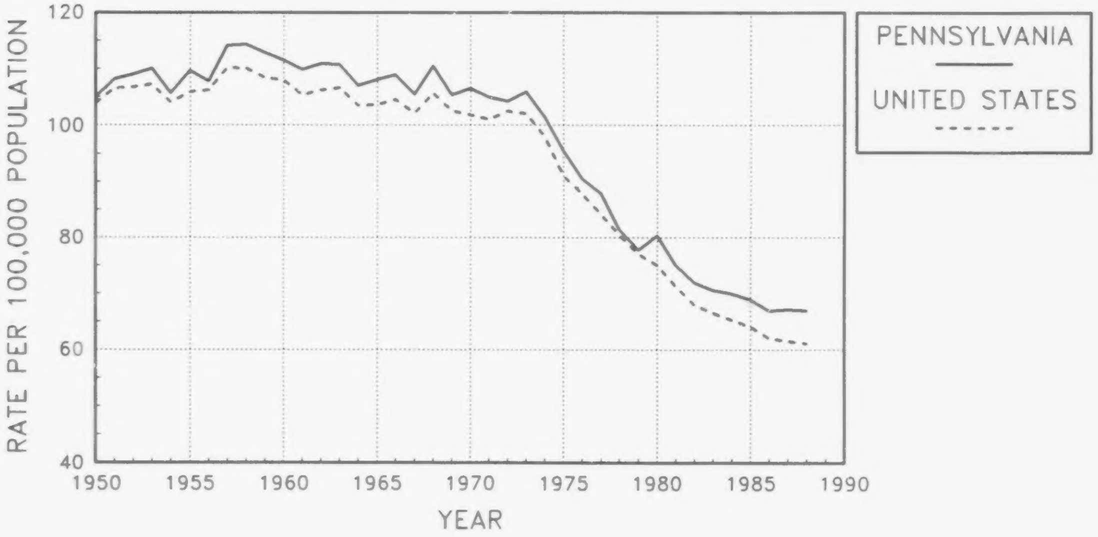


TABLE C-20
PNEUMONIA AND INFLUENZA DEATHS, NUMBER AND RATE*: PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE
1988	3,990	33.2	77,330**	31.5
1987	3,669	30.7	69,225	28.4
1986	3,622	30.5	69,812	29.0
1985	3,357	28.3	67,615	28.3
1984	2,885	24.2	58,894	24.9
1983	2,651	22.3	55,854	23.9
1982	2,386	20.1	48,886	21.1
1981	2,682	22.6	53,731	23.4
1980	2,869	24.2	54,619	24.1
1979	2,239	19.1	45,030	20.1
1978	2,776	23.6	58,319	26.7
1977	2,866	24.3	51,193	23.7
1976	3,412	28.8	61,866	28.8
1975	3,187	26.9	55,664	26.1
1974	3,067	25.9	54,777	25.9
1973	3,590	30.2	62,559	29.8
1972	3,476	29.1	62,580	30.1
1971	3,199	26.9	57,194	27.7
1970	3,466	29.4	62,739	30.9
1969	3,896	33.0	68,365	33.9
1968	4,340	36.9	73,492	36.9
1967	3,225	27.7	56,892	28.8
1966	3,515	30.2	63,615	32.5
1965	3,709	32.2	61,903	31.9
1964	3,393	29.6	59,451	31.1
1963	4,294	37.6	70,761	37.5
1962	3,529	31.0	59,995	32.3
1961	3,247	28.3	55,175	30.1
1960	3,889	34.3	66,803	37.3
1959	3,293	29.1	55,039	31.2
1958	3,494	31.5	57,439	33.1
1957	3,833	34.3	61,001	35.8
1956	2,996	26.9	47,103	28.2
1955	2,862	25.7	44,510	27.1
1954	2,406	22.1	40,991	25.4
1953	3,061	28.3	52,238	33.0
1952	3,113	29.0	46,265	29.7
1951	3,379	31.9	48,169	31.4
1950	3,116	29.6	47,120	31.3

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-18
PNEUMONIA AND INFLUENZA DEATH RATES PENNSYLVANIA AND UNITED STATES, 1950-1988

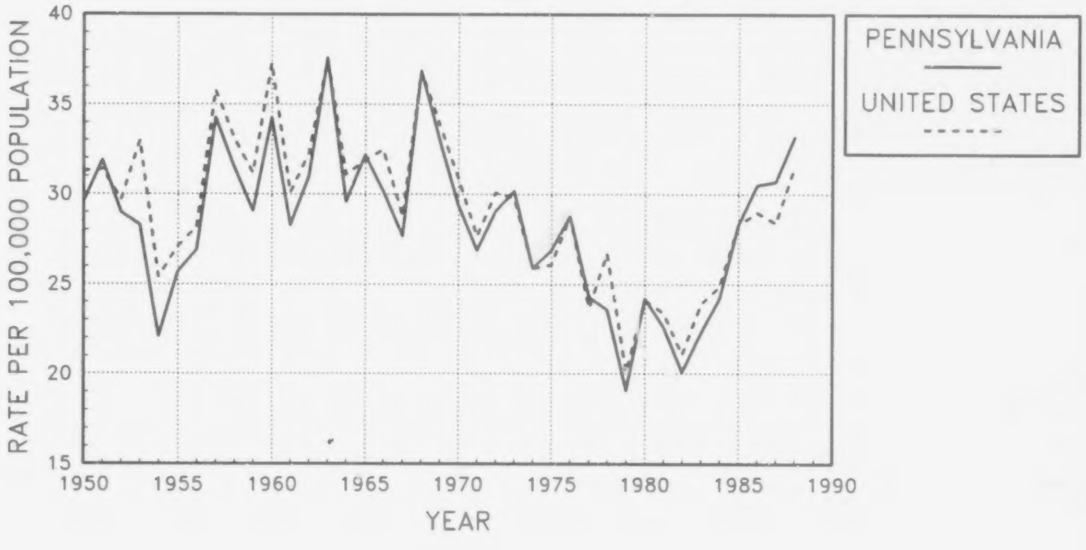


TABLE C-21A
SUICIDE DEATHS, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1988	1,479	12.3	30,260**	12.3	1968	1,190	10.1	21,372	10.7
1987	1,489	12.5	30,796	12.7	1967	1,059	9.1	21,325	10.8
1986	1,443	12.1	30,904	12.8	1966	1,099	9.4	21,281	10.9
1985	1,432	12.1	29,453	12.3	1965	1,131	9.8	21,507	11.1
1984	1,408	11.8	29,286	12.4	1964	1,100	9.6	20,588	10.8
1983	1,340	11.3	28,295	12.1	1963	1,134	9.9	20,825	11.0
1982	1,344	11.3	28,242	12.2	1962	1,150	10.1	20,207	10.9
1981	1,310	11.0	27,596	12.0	1961	1,097	9.6	18,999	10.4
1980	1,317	11.1	26,869	11.9	1960	1,099	9.7	19,041	10.6
1979	1,346	11.5	27,206	12.1	1959	1,100	9.9	18,633	10.6
1978	1,396	11.9	27,294	12.5	1958	1,113	10.0	18,519	10.7
1977	1,430	12.1	28,681	13.3	1957	1,044	9.3	16,632	9.8
1976	1,371	11.6	26,832	12.5	1956	1,121	10.1	16,727	10.0
1975	1,377	11.6	27,063	12.7	1955	1,035	9.3	16,760	10.2
1974	1,318	11.1	25,683	12.1	1954	988	9.1	16,356	10.1
1973	1,342	11.3	25,118	12.0	1953	1,006	9.3	15,947	10.1
1972	1,349	11.3	25,004	12.0	1952	1,028	9.6	15,567	10.0
1971	1,271	10.7	24,092	11.7	1951	1,083	10.2	15,909	10.4
1970	1,337	11.3	23,480	11.6	1950	1,101	10.5	17,145	11.4
1969	1,133	9.6	22,364	11.1					

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-19
SUICIDE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

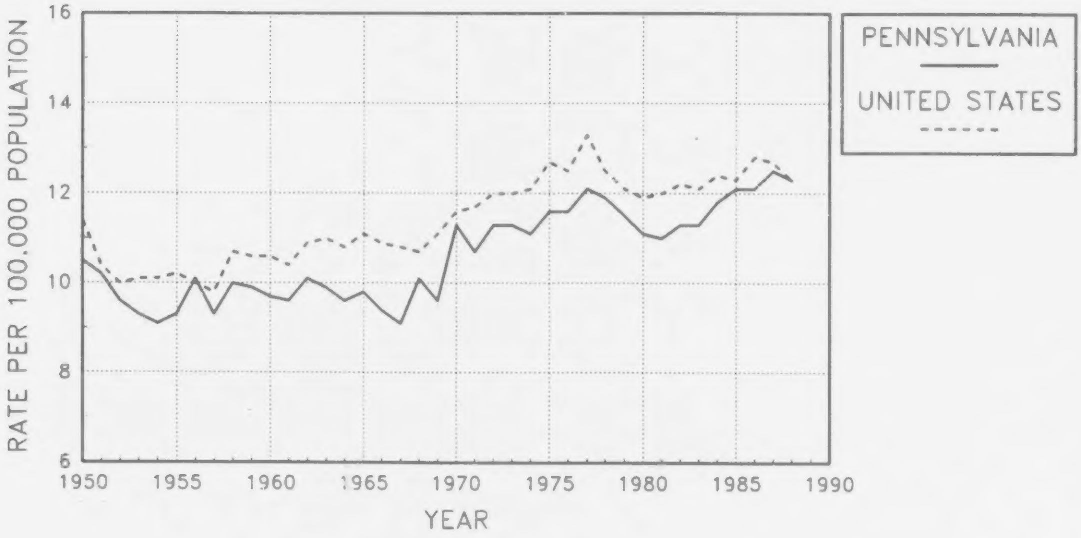


TABLE C-21B
RESIDENT SUICIDE DEATHS BY AGE, RACE, AND SEX
PENNSYLVANIA, 1988

AGE GROUP (IN YEARS)	ALL RACES			WHITE*			ALL OTHER RACES		
	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL AGES	1,479	1,210	269	1,369	1,121	248	110	89	21
UNDER 15	12	11	1	9	8	1	3	3	0
15-24	231	202	29	205	181	24	26	21	5
25-34	346	285	61	308	256	52	38	29	9
35-44	242	190	52	222	174	48	20	16	4
45-54	166	131	35	156	122	34	10	9	1
55-64	175	139	36	166	132	34	9	7	2
65-74	175	137	38	173	135	38	2	2	0
75+ ***	132	115	17	130	113	17	2	2	0

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 75+ AGE GROUP.

FIGURE C-20
RESIDENT SUICIDE DEATHS, PERCENT BY AGE GROUP
PENNSYLVANIA, 1988

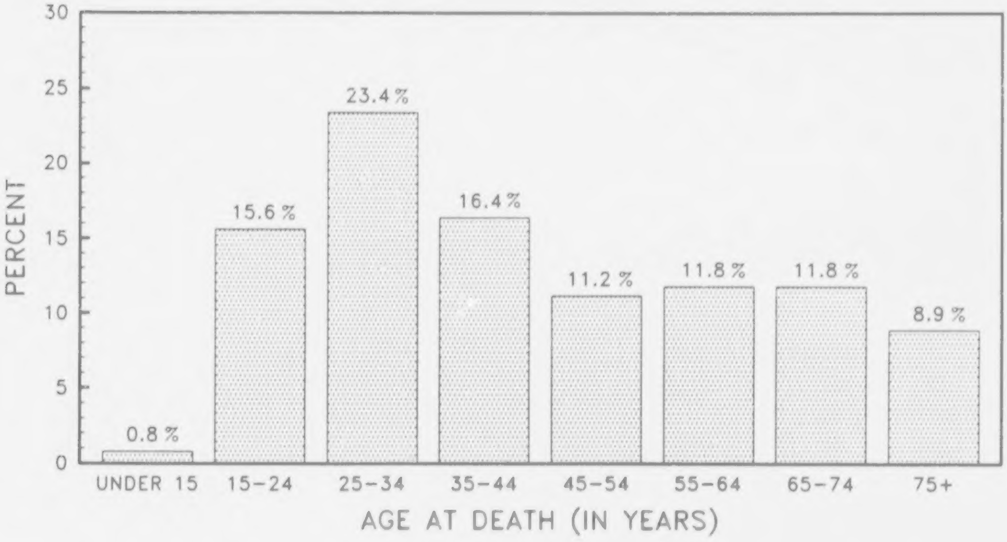


TABLE C-22A
HOMICIDE DEATHS, NUMBER AND RATE*: PENNSYLVANIA AND UNITED STATES, 1950-1988

	PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE
1988	666	5.5	22,190**	9.0
1987	644	5.4	21,103	8.7
1986	658	5.5	21,731	9.0
1985	588	5.0	19,893	8.3
1984	580	4.9	19,796	8.4
1983	613	5.2	20,191	8.6
1982	713	6.0	22,358	9.6
1981	768	6.5	23,646	10.3
1980	827	7.0	24,278	10.7
1979	760	6.5	22,550	10.0
1978	736	6.3	20,432	9.4
1977	668	5.7	19,968	9.2
1976	746	6.3	19,554	9.1
1975	843	7.1	21,310	10.0
1974	859	7.3	21,465	10.2
1973	826	6.9	20,465	9.8
1972	761	6.4	19,638	9.4
1971	749	6.3	18,787	9.1
1970	657	5.6	16,848	8.3
1969	516	4.4	15,477	7.7
1968	473	4.0	14,686	7.4
1967	459	3.9	13,425	6.8
1966	389	3.3	11,606	5.9
1965	388	3.4	10,712	5.5
1964	403	3.5	9,814	5.1
1963	288	2.5	9,225	4.9
1962	318	2.8	9,013	4.8
1961	304	2.7	8,578	4.7
1960	302	2.7	8,464	4.7
1959	286	2.5	8,159	4.6
1958	273	2.5	7,815	4.5
1957	258	2.3	7,641	4.5
1956	279	2.5	7,629	4.6
1955	248	2.2	7,418	4.5
1954	304	2.8	7,735	4.8
1953	288	2.6	7,640	4.8
1952	288	2.7	8,054	5.2
1951	296	2.8	7,495	4.9
1950	284	2.7	7,942	5.3

* RATE PER 100,000 POPULATION.
**PROVISIONAL DATA.

FIGURE C-21
HOMICIDE DEATH RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

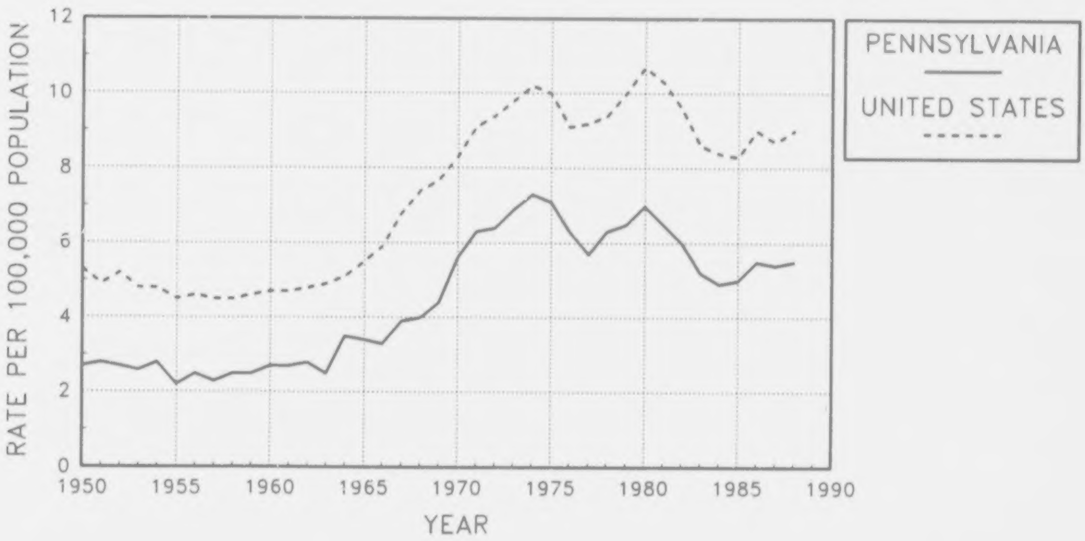


TABLE C-22B
RESIDENT HOMICIDE DEATHS BY AGE, RACE, AND SEX
PENNSYLVANIA, 1988

AGE GROUP (IN YEARS)	ALL RACES			WHITE*			ALL OTHER RACES		
	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL AGES	666	479	187	309	199	110	357	280	77
UNDER 15	51	32	19	32	21	11	19	11	8
15-24	177	144	33	58	42	16	119	102	17
25-34	185	130	55	80	51	29	105	79	26
35-44	108	72	36	56	32	24	52	40	12
45-54	54	41	13	28	20	8	26	21	5
55-64	34	26	8	20	15	5	14	11	3
65-74	32	19	13	17	8	9	15	11	4
75+ ***	25	15	10	18	10	8	7	5	2

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
** UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.
***UNKNOWN AGE INCLUDED IN THE 75+ AGE GROUP.

FIGURE C-22
RESIDENT HOMICIDE DEATHS, PERCENT BY AGE GROUP
PENNSYLVANIA, 1988

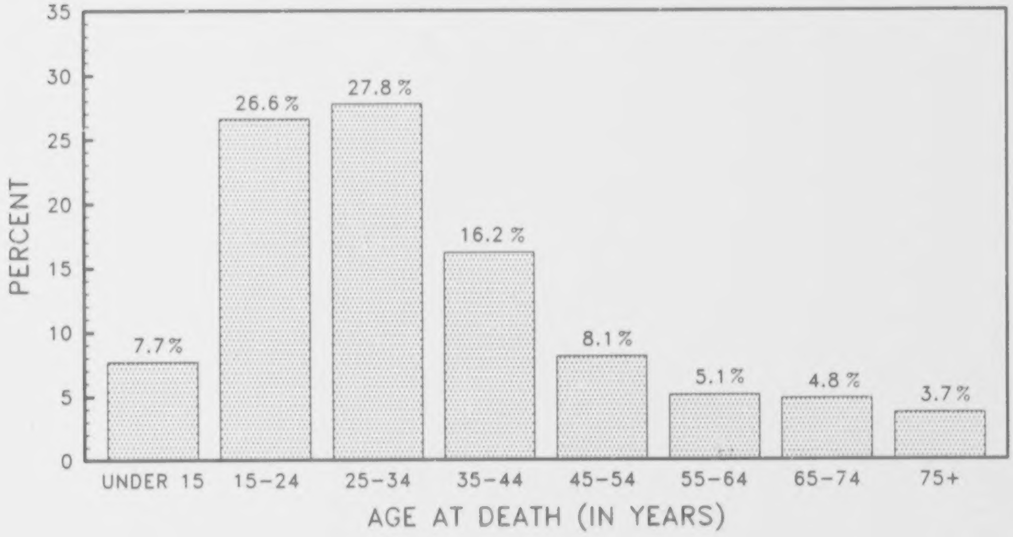


TABLE C-23
RESIDENT LIVE BIRTHS, ALL DEATHS, INFANT, NEONATAL, AND FETAL DEATHS BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA, 1988

	LIVE BIRTHS		ALL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER**	RATE
ALL COUNTIES	165,169	13.8	125,337	10.4	1,615	9.8	1,092	6.6	1,913	11.4
ADAMS	991	13.3	710	9.6	10	10.1	9	9.1	9	9.0
ALLEGHENY	17,361	12.8	15,742	11.6	169	9.7	124	7.1	239	13.6
ARMSTRONG	841	10.8	871	11.2	10	11.9	10	11.9	14	16.4
BEAVER	2,293	12.1	2,042	10.8	17	7.4	15	6.5	18	7.8
BEDFORD	579	12.1	482	10.0	9	15.5	7	12.1	4	6.9
BERKS	4,441	13.5	3,402	10.3	39	8.8	27	6.1	41	9.1
BLAIR	1,600	12.1	1,591	12.0	13	8.1	7	4.4	20	12.3
BRADFORD	867	13.4	578	9.0	4	4.6	3	3.5	8	9.1
BUCKS	7,677	14.1	3,933	7.2	65	8.5	41	5.3	77	9.9
BUTLER	1,976	12.9	1,367	8.9	16	8.1	11	5.6	18	9.0
CAMBRIA	1,826	10.7	1,865	11.0	16	8.8	9	4.9	17	9.2
CAMERON	85	13.3	70	10.9	0	-	0	-	0	-
CARBON	675	12.0	623	11.1	4	5.9	2	3.0	9	13.2
CENTRE	1,411	12.2	749	6.5	10	7.1	7	5.0	20	14.0
CHESTER	5,541	15.1	2,645	7.2	30	5.4	19	3.4	53	9.5
CLARION	490	11.7	397	9.5	0	-	0	-	10	20.0
CLEARFIELD	1,009	12.4	897	11.0	6	5.9	4	4.0	8	7.9
CLINTON	429	11.3	386	10.2	3	7.0	0	-	5	11.5
COLUMBIA	764	12.5	702	11.5	8	10.5	6	7.9	11	14.2
CRAWFORD	1,096	12.7	867	10.1	10	9.1	7	6.4	13	11.7
CUMBERLAND	2,221	11.4	1,643	8.4	15	6.8	9	4.1	25	11.1
DAUPHIN	3,513	14.6	2,379	9.9	33	9.4	21	6.0	46	12.9
DELAWARE	8,137	14.6	5,811	10.4	80	9.8	53	6.5	88	10.7
ELK	515	14.0	399	10.9	4	7.8	4	7.8	3	5.8
ERIE	4,008	14.5	2,597	9.4	41	10.2	27	6.7	43	10.6
FAYETTE	1,759	11.6	1,772	11.6	19	10.8	14	8.0	26	14.6
FOREST	51	10.9	67	14.3	0	-	0	-	1	19.2
FRANKLIN	1,596	13.3	1,062	8.8	12	7.5	4	2.5	22	13.6
FULTON	171	11.9	124	8.6	4	23.4	3	17.5	1	5.8
GREENE	477	12.0	422	10.6	8	16.8	4	8.4	6	12.4
HUNTINGDON	515	11.9	427	9.9	2	3.9	2	3.9	6	11.5
INDIANA	1,023	11.1	824	9.0	14	13.7	11	10.8	13	12.5
JEFFERSON	600	12.6	555	11.6	3	5.0	2	3.3	4	6.6
JUNIATA	285	14.0	211	10.4	3	10.5	1	3.5	0	-
LACKAWANNA	2,721	12.2	2,873	12.9	22	8.1	17	6.2	25	9.1
LANCASTER	6,886	16.6	3,509	8.5	60	8.7	37	5.4	58	8.4
LAWRENCE	1,123	11.1	1,133	11.2	9	8.0	7	6.2	5	4.4
LEBANON	1,481	13.0	1,157	10.1	14	9.5	8	5.4	14	9.4
LEHIGH	3,882	13.4	2,724	9.4	34	8.8	27	7.0	44	11.2
LUZERNE	3,824	11.5	4,581	13.8	26	6.8	18	4.7	34	8.8
LYCOMING	1,626	13.7	1,135	9.6	17	10.5	12	7.4	14	8.5
MCKEAN	529	11.5	615	13.3	4	7.6	2	3.8	4	7.5
MERCER	1,495	12.2	1,308	10.7	10	6.7	6	4.0	17	11.2
MIFFLIN	642	13.7	487	10.4	5	7.8	5	7.8	11	16.8
MONROE	1,266	13.5	816	8.7	12	9.5	8	6.3	13	10.2
MONTGOMERY	9,647	14.0	6,238	9.1	70	7.3	53	5.5	103	10.6
MONTOUR	279	16.9	231	14.0	4	14.3	2	7.2	5	17.6
NORTHAMPTON	3,173	13.0	2,336	9.6	24	7.6	16	5.0	23	7.2
NORTHUMBERLAND	1,176	12.0	1,189	12.1	2	1.7	0	-	13	10.9
PERRY	576	14.1	327	8.0	2	3.5	1	1.7	6	10.3
PHILADELPHIA	28,940	17.6	20,707	12.6	497	17.2	328	11.3	451	15.3
PIKE	334	12.5	242	9.0	2	6.0	1	3.0	0	-
POTTER	234	13.0	199	11.1	1	4.3	1	4.3	2	8.5
SCHUYLKILL	1,745	11.3	2,084	13.5	19	10.9	14	8.0	21	11.9
SNYDER	529	14.5	295	8.1	4	7.6	2	3.8	4	7.5
SOMERSET	993	12.3	855	10.6	7	7.0	5	5.0	8	8.0
SULLIVAN	52	8.1	85	13.3	0	-	0	-	0	-
SUSQUEHANNA	564	13.8	386	9.4	3	5.3	0	-	4	7.0
TIOGA	493	12.2	421	10.4	5	10.1	3	6.1	7	14.0
UNION	456	13.1	318	9.1	2	4.4	2	4.4	5	10.8
VENANGO	731	12.0	683	11.2	6	8.2	3	4.1	11	14.8
WARREN	582	12.8	462	10.1	4	6.9	4	6.9	3	5.1
WASHINGTON	2,353	11.3	2,375	11.4	18	7.6	10	4.2	27	11.3
WAYNE	514	12.7	431	10.6	2	3.9	2	3.9	6	11.5
WESTMORELAND	4,375	11.6	3,799	10.0	19	4.3	14	3.2	45	10.2
WYOMING	349	12.3	253	8.9	2	5.7	2	5.7	1	2.9
YORK	4,776	14.2	2,871	8.5	32	6.7	19	4.0	51	10.6

* BIRTH AND DEATH CRUDE RATES PER 1,000 ESTIMATED 1988 POPULATION. INFANT AND NEONATAL DEATH RATES PER 1,000 LIVE BIRTHS. FETAL DEATH RATES PER 1,000 DELIVERIES (LIVE BIRTHS PLUS FETAL DEATHS).

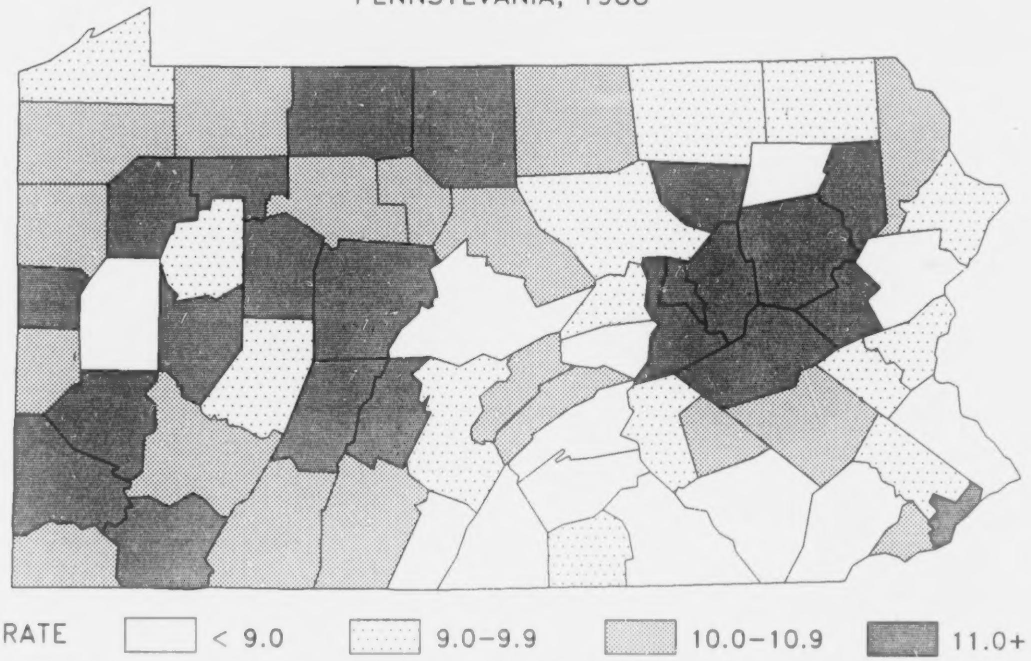
**FETAL DEATHS EXCLUDE INDUCED TERMINATIONS.

TABLE C-24
RESIDENT DEATHS, INFANT, AND NEONATAL DEATHS BY COUNTY
NUMBER AND RATE*: PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988

	ALL DEATHS 1984-1988		INFANT DEATHS 1984-1988		NEONATAL DEATHS 1984-1988	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	618,766	10.4	8,265	10.3	5,670	7.0
ADAMS	3,343	9.3	38	7.6	26	5.2
ALLEGHENY	78,394	11.4	988	11.2	754	8.6
ARMSTRONG	4,292	10.9	45	9.5	34	7.2
BEAVER	9,827	10.2	116	10.1	72	6.3
BEDFORD	2,369	9.9	27	9.6	19	6.7
BERKS	16,455	10.2	198	9.3	143	6.7
BLAIR	7,930	12.0	85	10.3	60	7.3
BRADFORD	2,973	9.3	27	6.1	17	3.8
BUCKS	19,366	7.4	260	7.1	175	4.8
BUTLER	6,921	9.1	95	9.4	66	6.6
CAMBRIA	9,778	11.3	85	8.8	56	5.8
CAMERON	374	11.5	2	4.2	0	-
CARBON	3,305	12.1	21	6.9	14	4.6
CENTRE	3,629	6.3	61	8.9	43	6.3
CHESTER	12,968	7.5	215	8.4	146	5.7
CLARION	2,065	9.8	17	6.5	9	3.5
CLEARFIELD	4,359	10.6	60	11.1	35	6.5
CLINTON	1,917	10.1	24	10.5	13	5.7
COLUMBIA	3,280	10.7	29	8.0	13	3.6
CRAWFORD	4,493	10.3	72	12.3	46	7.9
CUMBERLAND	7,886	8.3	95	8.8	65	6.0
DAUPHIN	11,830	10.0	177	10.4	130	7.6
DELAWARE	28,911	10.4	360	9.0	268	6.7
ELK	1,857	10.0	20	7.8	15	5.8
ERIE	12,926	9.3	216	10.7	145	7.2
FAYETTE	8,871	11.4	94	10.2	65	7.0
FOREST	309	12.9	2	7.7	2	7.7
FRANKLIN	5,285	8.9	60	7.9	32	4.2
FULTON	578	8.3	7	7.6	6	6.5
GREENE	2,206	10.9	32	12.7	21	8.3
HUNTINGDON	2,042	9.5	14	5.2	11	4.1
INDIANA	3,994	8.7	62	11.4	47	8.6
JEFFERSON	2,648	11.0	25	8.0	19	6.0
JUNIATA	1,029	10.3	15	10.9	8	5.8
LACKAWANNA	14,090	12.6	118	8.8	82	6.1
LANCASTER	16,874	8.5	262	8.3	177	5.6
LAWRENCE	5,637	11.0	54	9.1	34	5.7
LEBANON	5,653	10.1	62	8.5	38	5.2
LEHIGH	13,692	9.7	160	8.7	116	6.3
LUZERNE	21,884	13.2	156	8.4	106	5.7
LYCOMING	5,753	9.8	66	8.2	36	4.5
MCKEAN	2,860	12.1	25	8.3	15	5.0
MERCER	6,458	10.4	51	7.1	36	5.0
MIFFLIN	2,399	10.3	25	7.8	14	4.4
MONROE	3,691	8.8	39	7.6	28	5.4
MONTGOMERY	30,895	9.2	378	8.3	263	5.8
MONTOUR	1,107	13.3	7	5.7	4	3.2
NORTHAMPTON	11,086	9.4	120	8.4	78	5.5
NORTHUMBERLAND	6,269	12.6	34	5.7	21	3.5
PERRY	1,617	8.3	19	6.9	11	4.0
PHILADELPHIA	102,087	12.4	2,229	16.2	1,480	10.8
PIKE	1,184	10.3	12	9.0	9	6.7
POTTER	902	9.9	15	11.4	7	5.3
SCHUYLKILL	10,587	13.6	79	9.1	52	6.0
SNYDER	1,512	8.5	19	7.5	13	5.1
SOMERSET	4,230	10.4	50	10.1	30	6.0
SULLIVAN	417	13.2	1	3.3	0	-
SUSQUEHANNA	1,955	9.8	19	6.9	10	3.6
TIOGA	1,977	9.8	17	6.7	12	4.7
UNION	1,514	8.8	20	9.1	14	6.4
VENANGO	3,210	10.3	43	10.9	31	7.9
WARREN	2,409	10.4	31	10.0	18	5.8
WASHINGTON	11,603	10.9	118	9.9	86	7.2
WAYNE	2,126	10.9	22	9.0	14	5.7
WESTMORELAND	19,444	10.2	164	7.5	128	5.9
WYOMING	1,172	8.4	17	9.1	11	5.9
YORK	14,062	8.6	189	8.5	121	5.4

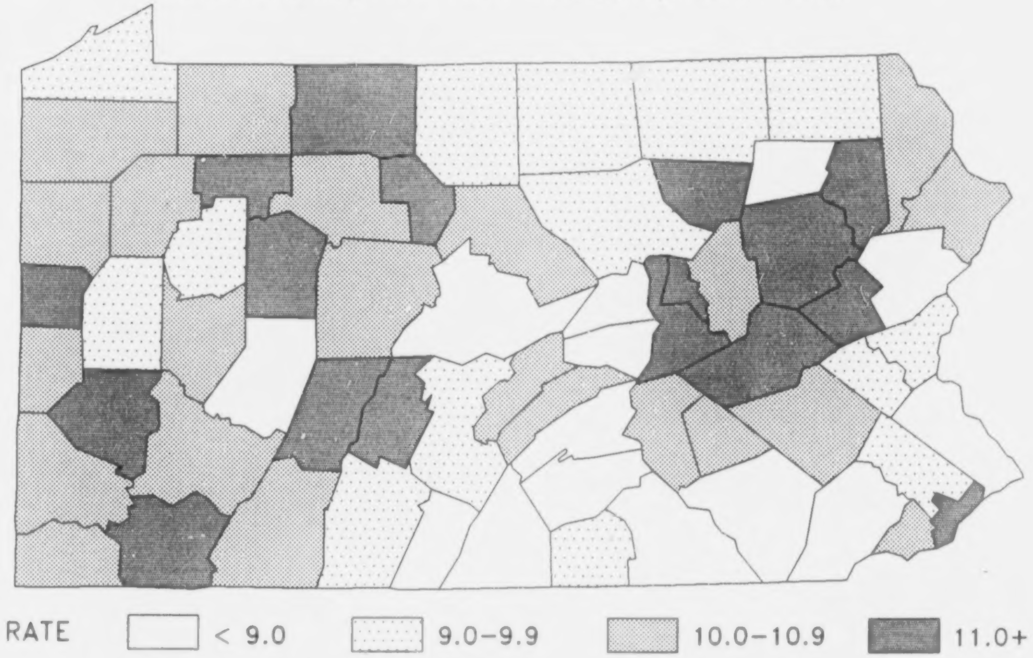
* CRUDE DEATH RATE PER 1,000 POPULATION FOR EACH COUNTY, 1984-1988.
INFANT AND NEONATAL DEATH RATES PER 1,000 LIVE BIRTHS FOR EACH COUNTY, 1984-1988.

FIGURE C-23
RESIDENT CRUDE DEATH RATES BY COUNTY
PENNSYLVANIA, 1988


RATE
□ < 9.0
▨ 9.0-9.9
▨ 10.0-10.9
■ 11.0+

NOTE: RATE PER 1,000 POPULATION, 1988. SEE TABLE C-23 FOR COUNTY RATES.

FIGURE C-24
RESIDENT CRUDE DEATH RATES BY COUNTY
PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988


RATE
□ < 9.0
▨ 9.0-9.9
▨ 10.0-10.9
■ 11.0+

NOTE: RATE PER 1,000 POPULATION, 1984-1988. SEE TABLE C-24 FOR COUNTY RATES.

FIGURE C-25
RESIDENT INFANT DEATH RATES BY COUNTY
PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988

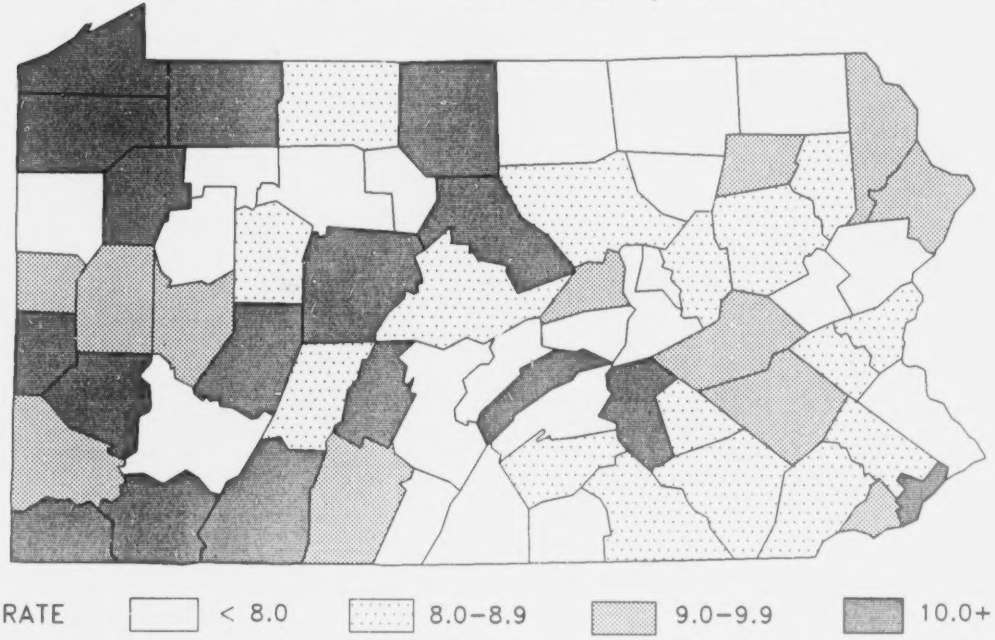
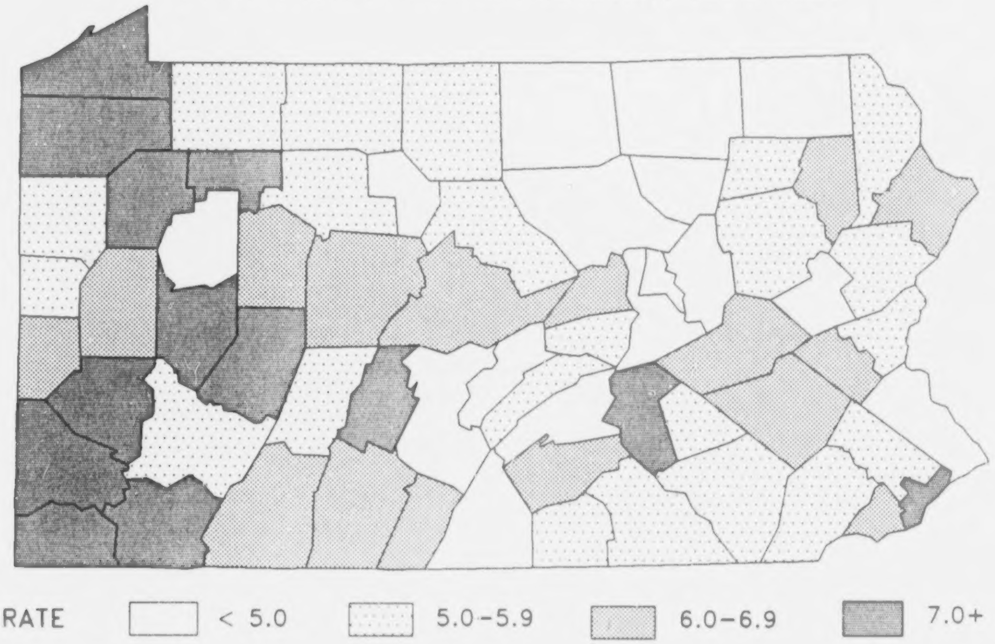

RATE
< 8.0
8.0-8.9
9.0-9.9
10.0+

FIGURE C-26
RESIDENT NEONATAL DEATH RATES BY COUNTY
PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988


RATE
< 5.0
5.0-5.9
6.0-6.9
7.0+

NOTE: RATE PER 1,000 LIVE BIRTHS, 1984-1988. SEE TABLE C-24 FOR COUNTY RATES.

TABLE C-25
AGE-ADJUSTED DEATH RATES* BY SEX AND COUNTY
PENNSYLVANIA RESIDENTS, 1988 AND FIVE YEAR SUMMARY, 1984-1988

	1988			1984 - 1988		
COUNTY	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL COUNTIES	5.5	7.2	4.1	5.5	7.3	4.2
ADAMS	5.3	6.5	4.4	5.3	6.8	4.0
ALLEGHENY	5.5	7.2	4.3	5.6	7.4	4.3
ARMSTRONG	5.3	6.8	4.1	5.2	6.7	4.0
BEAVER	5.4	6.7	4.2	5.3	6.8	4.1
BEDFORD	5.4	7.4	3.7	5.4	7.1	3.9
BERKS	5.0	6.4	3.9	5.0	6.6	3.8
BLAIR	5.8	8.0	4.0	5.8	7.8	4.3
BRADFORD	4.7	5.8	3.7	5.1	6.7	3.7
BUCKS	5.3	6.8	4.1	5.2	6.6	4.1
BUTLER	5.2	6.8	4.0	5.4	7.0	4.1
CAMBRIA	5.2	7.1	3.7	5.5	7.4	4.0
CAMERON	5.1	7.3	3.6	5.7	7.4	4.4
CARBON	5.3	7.0	3.8	5.6	7.6	4.0
CENTRE	5.0	6.7	3.8	4.9	6.3	3.8
CHESTER	5.1	6.5	3.8	5.1	6.6	3.9
CLARION	5.1	6.6	3.8	5.5	7.4	4.0
CLEARFIELD	5.4	6.7	4.3	5.5	7.1	4.2
CLINTON	5.4	7.0	4.0	5.5	7.2	4.0
COLUMBIA	5.8	7.8	4.2	5.3	6.8	4.1
CRAWFORD	5.0	6.6	3.6	5.3	6.8	4.1
CUMBERLAND	4.8	6.4	3.7	4.7	6.2	3.6
DAUPHIN	5.5	7.1	4.3	5.5	7.3	4.2
DELAWARE	5.3	6.9	4.2	5.4	7.0	4.2
ELK	5.7	7.2	4.4	5.2	6.7	4.1
ERIE	5.5	7.1	4.2	5.5	7.2	4.2
FAYETTE	5.8	7.9	4.1	5.8	7.7	4.3
FOREST	6.1	6.6	5.4	6.0	7.5	4.6
FRANKLIN	4.8	5.8	4.0	4.9	6.3	3.8
FULTON	5.2	6.8	3.8	5.0	6.5	3.7
GREENE	5.3	7.0	3.9	5.8	7.6	4.3
HUNTINGDON	5.6	7.0	4.5	5.6	7.6	3.9
INDIANA	5.4	6.5	4.5	5.3	6.6	4.1
JEFFERSON	5.5	6.8	4.4	5.3	6.8	4.1

(CONTINUED)

TABLE C-25
AGE-ADJUSTED DEATH RATES* BY SEX AND COUNTY
PENNSYLVANIA RESIDENTS, 1988 AND FIVE YEAR SUMMARY, 1984-1988

	1988			1984 - 1988		
COUNTY	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
JUNIATA	5.8	7.6	4.2	5.6	7.1	4.3
LACKAWANNA	5.7	7.7	4.2	5.6	7.7	4.1
LANCASTER	4.9	6.2	3.8	4.7	6.0	3.7
LAWRENCE	5.0	6.5	3.9	5.1	6.6	3.9
LEBANON	5.4	6.9	4.1	5.4	7.2	4.0
LEHIGH	4.9	6.6	3.6	5.1	6.7	3.8
LUZERNE	6.0	8.1	4.4	5.9	8.1	4.3
LYCOMING	5.0	7.0	3.5	5.1	6.8	3.8
MCKEAN	5.4	6.9	4.1	5.4	7.0	4.1
MERCER	5.0	6.6	3.8	5.1	6.5	3.9
MIFFLIN	5.3	7.3	3.9	5.4	7.4	3.8
MONROE	5.6	7.1	4.3	5.1	6.6	3.7
MONTGOMERY	4.6	5.8	3.6	4.6	6.0	3.6
MONTOUR	6.2	7.3	5.2	5.8	7.1	4.8
NORTHAMPTON	5.1	6.6	3.9	4.9	6.4	3.7
NORTHUMBERLAND	5.3	7.2	3.8	5.6	7.6	4.1
PERRY	5.6	7.0	4.3	5.6	7.0	4.3
PHILADELPHIA	7.3	9.9	5.3	7.2	9.7	5.3
PIKE	4.8	6.1	3.6	4.9	6.2	3.6
POTTER	5.4	7.0	4.1	5.0	6.4	3.8
SCHUYLKILL	5.7	7.7	4.2	6.1	8.3	4.4
SNYDER	5.1	6.3	4.1	5.3	6.9	4.0
SOMERSET	5.2	6.9	3.9	5.3	7.1	3.9
SULLIVAN	5.5	6.8	4.4	5.7	7.8	3.9
SUSQUEHANNA	5.2	6.4	4.1	5.3	6.9	3.9
TIOGA	5.3	6.9	4.0	5.1	6.7	3.8
UNION	5.4	6.9	4.3	5.1	6.8	3.8
VENANGO	5.7	7.6	4.2	5.6	7.4	4.2
WARREN	5.0	6.2	3.9	5.3	6.5	4.2
WASHINGTON	5.5	7.3	4.0	5.4	7.2	4.1
WAYNE	5.2	7.1	3.6	5.1	6.7	3.8
WESTMORELAND	5.0	6.4	3.8	5.3	6.9	4.0
WYOMING	5.2	6.5	4.0	5.2	6.7	3.9
YORK	5.0	6.4	3.8	4.9	6.3	3.7

* AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES PER 1,000 POPULATION.

**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

NOTE: THE AGE-ADJUSTED RATES BY SEX AND COUNTY THAT APPEARED IN THE 1985, 1986 AND 1987 EDITIONS OF "PENNSYLVANIA VITAL STATISTICS" ARE INCORRECT. PLEASE REFER TO APPENDIX C IN THE BACK OF THIS PUBLICATION FOR THE CORRECTED AGE-ADJUSTED RATES.

FIGURE C-27
AGE-ADJUSTED DEATH RATES BY COUNTY
PENNSYLVANIA RESIDENTS, 1988

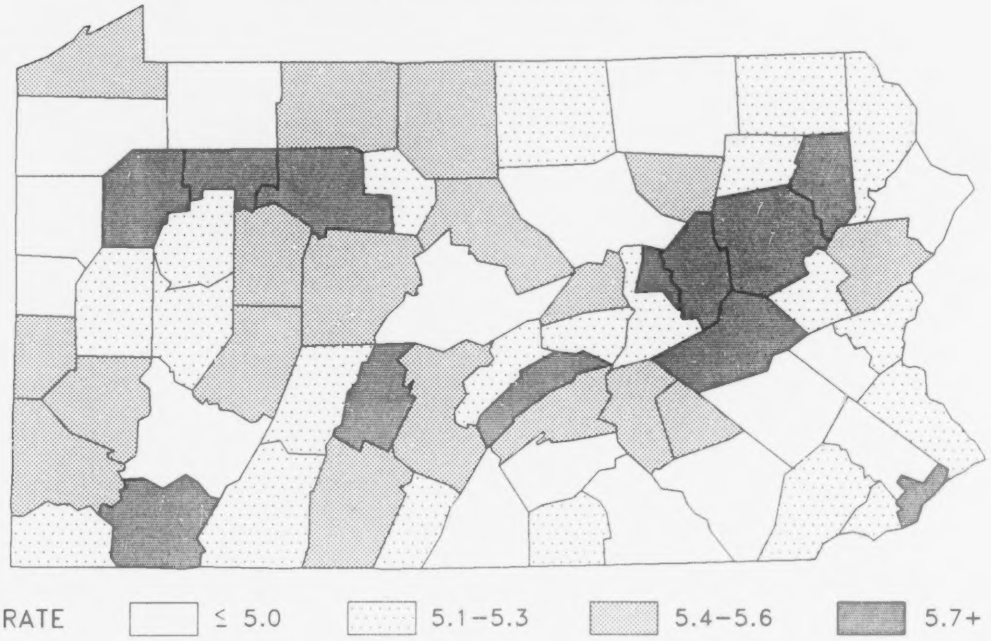
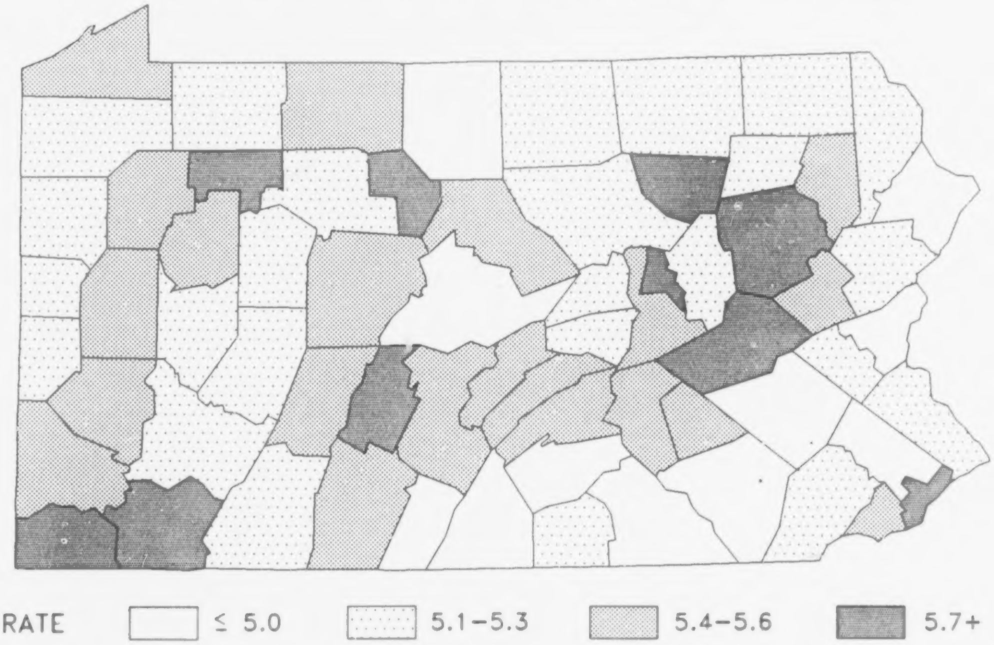

RATE
≤ 5.0
5.1-5.3
5.4-5.6
5.7+

FIGURE C-28
AGE-ADJUSTED DEATH RATES BY COUNTY
PENNSYLVANIA RESIDENTS, FIVE YEAR SUMMARY, 1984-1988


RATE
≤ 5.0
5.1-5.3
5.4-5.6
5.7+

NOTE: SEE TABLE C-25 FOR COUNTY RATES AND THE DEFINITION OF RATE.

TABLE C-26
AGE-ADJUSTED DEATH RATES* FOR SELECTED CAUSES OF DEATH BY COUNTY, PENNSYLVANIA RESIDENTS, FIVE YEAR SUMMARY, 1984-1988

COUNTY	HEART DISEASE	MALIGNANT NEOPLASMS	CEREBROVASCULAR DISEASE	UNINTENTIONAL INJURIES
ALL COUNTIES	188.9	141.2	29.2	29.8
ADAMS	193.6	128.6	26.8	38.9
ALLEGHENY	198.2	149.9	29.2	22.6
ARMSTRONG	199.7	131.8	25.8	29.3
BEAVER	191.4	138.3	27.6	27.6
BEDFORD	194.7	131.4	34.8	50.5
BERKS	161.5	132.9	27.0	30.8
BLAIR	222.8	137.8	27.4	31.8
BRADFORD	156.3	121.3	23.4	51.8
BUCKS	167.9	132.5	32.0	28.0
BUTLER	192.9	142.0	27.1	33.1
CAMBRIA	205.4	130.9	28.8	28.3
CAMERON	167.0	134.7	51.7	54.6
CARBON	210.5	132.9	25.6	41.2
CENTRE	187.2	129.3	25.4	25.0
CHESTER	169.8	136.0	28.2	31.7
CLARION	216.4	132.7	38.4	25.2
CLEARFIELD	204.1	132.9	26.5	39.9
CLINTON	205.1	128.1	32.9	37.3
COLUMBIA	189.8	132.9	33.9	28.6
CRAWFORD	180.9	124.3	29.4	42.2
CUMBERLAND	163.5	127.2	31.8	21.5
DAUPHIN	202.9	138.8	30.8	30.4
DELAWARE	179.9	148.3	30.2	20.5
ELK	186.0	127.8	38.3	28.7
ERIE	188.7	142.0	39.3	30.4
FAYETTE	217.1	136.7	31.8	37.7
FOREST	219.4	146.1	35.1	56.8
FRANKLIN	167.8	123.9	26.6	35.0
FULTON	183.2	117.2	20.1	38.3
GREENE	236.2	123.4	28.6	39.2
HUNTINGDON	198.4	157.8	22.0	43.6
INDIANA	181.0	128.7	28.6	40.7
JEFFERSON	188.6	136.0	27.1	40.0
JUNIATA	183.2	116.1	36.7	54.8
LACKAWANNA	221.2	143.2	26.7	24.6
LANCASTER	161.2	127.8	26.0	25.7
LAWRENCE	195.7	122.2	29.5	29.8
LEBANON	209.4	135.5	27.1	29.8
LEHIGH	183.5	134.9	23.9	25.1
LUZERNE	228.6	136.4	28.1	29.0
LYCOMING	179.3	132.4	28.9	34.7
MCKEAN	225.5	119.7	22.3	42.2
MERCER	185.2	126.5	25.1	32.1
MIFFLIN	199.6	127.6	28.0	30.7
MONROE	188.2	127.3	21.2	41.4
MONTGOMERY	150.9	131.4	25.3	24.7
MONTOUR	215.3	138.3	31.2	41.0
NORTHAMPTON	184.3	127.4	22.9	25.1
NORTHUMBERLAND	208.8	139.1	32.8	37.7
PERRY	197.4	135.3	37.7	38.4
PHILADELPHIA	191.2	174.8	34.7	32.8
PIKE	179.4	110.5	22.6	36.7
POTTER	173.9	127.6	29.3	38.8
SCHUYLKILL	213.9	142.1	31.9	40.0
SNYDER	200.1	120.3	28.9	45.5
SOMERSET	206.4	128.6	27.3	39.1
SULLIVAN	209.8	148.4	19.5	51.7
SUSQUEHANNA	202.0	120.9	24.5	48.7
TIOGA	175.7	122.6	30.0	44.9
UNION	184.0	115.7	28.1	39.0
VENANGO	205.4	124.8	31.5	40.0
WARREN	178.7	125.8	31.8	44.9
WASHINGTON	199.9	136.4	27.0	30.4
WAYNE	190.0	120.1	26.0	53.6
WESTMORELAND	198.9	134.5	29.0	30.9
WYOMING	188.3	116.7	31.1	46.8
YORK	173.5	135.0	25.7	29.7

*AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES PER 100,000 POPULATION.

TABLE C-27
RESIDENT DEATHS BY AGE GROUP AND COUNTY
PENNSYLVANIA, 1988

		AGE AT DEATH (IN YEARS)											
COUNTY	TOTAL DEATHS	UNDER 5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & OVER*
ALL COUNTIES	125,337	1,926	186	165	588	941	2,387	3,261	5,643	15,573	30,813	36,925	26,929
ADAMS	710	11	2	1	4	6	19	16	21	71	150	225	184
ALLEGHENY	15,742	194	13	20	46	69	267	395	665	2,142	4,008	4,713	3,210
ARMSTRONG	871	10	1	3	6	10	14	11	38	105	227	259	187
BEAVER	2,042	22	3	3	11	11	24	35	88	288	545	615	397
BEDFORD	482	10	1	0	4	6	12	15	15	51	127	133	108
BERKS	3,402	43	3	5	14	16	56	76	124	370	832	1,056	807
BLAIR	1,591	15	0	1	12	9	25	38	53	181	423	462	372
BRADFORD	578	7	1	2	4	8	18	18	14	51	120	192	143
BUCKS	3,933	77	8	4	22	52	95	128	206	514	933	1,078	816
BUTLER	1,367	18	1	1	5	11	30	51	64	152	318	376	340
CAMBRIA	1,865	19	1	1	9	15	24	31	65	238	518	582	362
CAMERON	70	0	0	0	2	0	0	4	1	9	17	23	14
CARBON	623	6	0	1	4	3	7	16	22	72	199	170	123
CENTRE	749	12	1	0	4	4	15	10	28	94	181	234	166
CHESTER	2,645	38	2	4	20	26	72	76	113	355	617	695	627
CLARION	397	0	2	0	2	8	4	9	19	44	77	117	115
CLEARFIELD	897	7	1	2	3	6	16	22	24	90	249	303	174
CLINTON	386	9	1	1	5	6	6	10	18	29	100	116	85
COLUMBIA	702	13	0	1	0	7	7	16	33	84	158	214	169
CRAWFORD	867	13	1	0	4	4	13	26	32	87	205	274	208
CUMBERLAND	1,643	18	2	2	5	17	23	34	61	221	388	462	410
DAUPHIN	2,379	44	4	3	13	20	48	63	101	297	583	699	504
DELAWARE	5,811	93	9	11	12	29	106	146	260	747	1,419	1,644	1,335
ELK	399	6	2	1	2	1	5	7	19	56	103	126	71
ERIE	2,597	51	6	5	24	20	44	58	108	317	679	718	567
FAYETTE	1,772	24	1	2	10	24	29	43	77	235	486	522	319
FOREST	67	0	0	0	0	0	0	3	1	10	15	28	10
FRANKLIN	1,062	12	6	0	6	7	15	19	45	138	246	331	237
FULTON	124	4	0	0	0	1	2	4	6	14	27	46	20
GREENE	422	8	1	2	3	2	4	9	16	50	93	132	102
HUNTINGDON	427	5	0	1	4	3	8	10	21	53	107	125	90
INDIANA	824	16	3	2	6	8	6	14	41	99	196	257	176
JEFFERSON	555	4	0	0	1	7	11	11	19	61	138	175	128

(CONTINUED)

TABLE C-27
RESIDENT DEATHS BY AGE GROUP AND COUNTY
PENNSYLVANIA, 1988

		AGE AT DEATH (IN YEARS)											
COUNTY	TOTAL DEATHS	UNDER 5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & OVER*
JUNIATA	211	3	2	1	3	3	7	2	13	19	41	70	47
LACKAWANNA	2,873	30	5	2	13	16	30	63	121	345	727	938	583
LANCASTER	3,509	70	10	4	19	36	62	76	140	381	725	1,025	961
LAWRENCE	1,133	14	1	1	5	7	11	19	48	118	299	344	266
LEBANON	1,157	15	5	2	4	7	21	22	51	141	271	336	282
LEHIGH	2,724	37	6	1	15	14	62	72	120	290	670	800	637
LUZERNE	4,581	29	2	4	17	29	62	105	177	528	1,220	1,494	914
LYCOMING	1,135	21	3	1	3	9	19	28	56	127	260	331	277
MCKEAN	615	4	1	1	0	6	7	6	14	70	136	208	162
MERCER	1,308	18	0	2	6	7	17	26	57	133	326	387	329
MIFFLIN	487	6	2	0	2	2	9	17	23	59	116	143	108
MONROE	816	14	2	1	7	10	20	23	39	100	198	234	168
MONTGOMERY	6,238	77	4	5	10	34	106	150	268	717	1,349	1,905	1,613
MONTOUR	231	5	0	0	0	2	7	3	8	25	43	75	63
NORTHAMPTON	2,336	27	4	2	8	13	37	45	82	284	638	698	498
NORTHUMBERLAND	1,189	3	0	2	6	10	15	24	41	143	326	376	243
PERRY	327	3	0	2	2	3	5	12	17	48	77	101	57
PHILADELPHIA	20,707	579	42	32	114	203	629	792	1,304	2,877	4,937	5,542	3,656
PIKE	242	2	0	0	2	3	2	3	11	26	68	66	59
POTTER	199	1	0	1	1	3	4	4	4	22	51	60	48
SCHUYLKILL	2,084	20	2	4	11	14	20	41	79	237	548	687	421
SNYDER	295	7	1	1	1	2	4	11	12	34	67	92	63
SOMERSET	855	8	0	2	8	7	5	11	38	89	237	269	181
SULLIVAN	85	0	0	0	0	2	3	1	3	9	14	25	28
SUSQUEHANNA	386	4	0	0	3	8	11	7	17	42	93	114	87
TIOGA	421	7	0	1	1	5	8	4	13	42	105	127	108
UNION	318	5	2	2	0	4	8	11	10	35	72	83	86
VENANGO	683	8	0	0	3	7	16	17	22	89	151	207	163
WARREN	462	6	0	1	4	5	5	13	14	45	115	154	100
WASHINGTON	2,375	21	4	3	13	10	42	51	103	288	608	755	477
WAYNE	431	3	2	1	3	6	5	7	25	37	105	124	113
WESTMORELAND	3,799	22	3	1	16	16	45	82	172	468	1,011	1,129	834
WYOMING	253	2	2	1	1	1	6	7	8	25	57	73	70
YORK	2,871	46	5	5	20	21	52	82	115	355	668	851	651

* UNKNOWN AGE INCLUDED IN THE 85 & OVER AGE GROUP.

TABLE C-28
RESIDENT DEATHS BY SEX, RACE AND COUNTY
PENNSYLVANIA, 1988

COUNTY	TOTAL DEATHS	WHITE*			ALL OTHER		
		TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL COUNTIES	125,337	113,214	56,718	56,496	12,123	6,508	5,615
ADAMS	710	703	330	373	7	3	4
ALLEGHENY	15,742	14,005	6,909	7,096	1,737	925	812
ARMSTRONG	871	863	458	405	8	4	4
BEAVER	2,042	1,911	971	940	131	72	59
BEDFORD	482	480	266	214	2	1	1
BERKS	3,402	3,326	1,678	1,648	76	41	35
BLAIR	1,591	1,568	817	751	23	13	10
BRADFORD	578	576	278	298	2	0	2
BUCKS	3,933	3,820	1,943	1,877	113	62	51
BUTLER	1,367	1,358	678	680	9	6	3
CAMBRIA	1,865	1,834	984	850	31	16	15
CAMERON	70	70	41	29	0	0	0
CARBON	623	623	318	305	0	0	0
CENTRE	749	746	390	356	3	3	0
CHESTER	2,645	2,436	1,246	1,190	209	132	77
CLARION	397	396	199	197	1	1	0
CLEARFIELD	897	894	459	435	3	1	2
CLINTON	386	386	205	181	0	0	0
COLUMBIA	702	701	378	323	1	0	1
CRAWFORD	867	854	445	409	13	6	7
CUMBERLAND	1,643	1,616	803	813	27	12	15
DAUPHIN	2,379	2,053	1,005	1,048	326	161	165
DELAWARE	5,811	5,257	2,507	2,750	554	270	284
ELK	399	398	212	186	1	1	0
ERIE	2,597	2,500	1,269	1,231	97	52	45
FAYETTE	1,772	1,691	921	770	81	49	32
FOREST	67	67	37	30	0	0	0
FRANKLIN	1,062	1,037	503	534	25	12	13
FULTON	124	122	68	54	2	1	1
GREENE	422	417	224	193	5	2	3
HUNTINGDON	427	422	210	212	5	3	2
INDIANA	824	820	414	406	4	2	2
JEFFERSON	555	554	276	278	1	1	0

(CONTINUED)

TABLE C-28
RESIDENT DEATHS BY SEX, RACE AND COUNTY
PENNSYLVANIA, 1988

COUNTY	TOTAL DEATHS	WHITE*			ALL OTHER		
		TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
JUNIATA	211	211	108	103	0	0	0
LACKAWANNA	2,873	2,861	1,388	1,473	12	8	4
LANCASTER	3,509	3,444	1,658	1,786	65	42	23
LAWRENCE	1,133	1,098	551	547	35	17	18
LEBANON	1,157	1,152	569	583	5	3	2
LEHIGH	2,724	2,685	1,373	1,312	39	23	16
LUZERNE	4,581	4,564	2,233	2,331	17	10	7
LYCOMING	1,135	1,114	587	527	21	10	11
MCKEAN	615	614	288	326	1	0	1
MERCER	1,308	1,268	643	625	40	21	19
MIFFLIN	487	485	255	230	2	1	1
MONROE	816	805	427	378	11	3	8
MONTGOMERY	6,238	5,964	2,830	3,134	274	156	118
MONTOUR	231	231	93	138	0	0	0
NORTHAMPTON	2,336	2,294	1,162	1,132	42	26	16
NORTHUMBERLAND	1,189	1,189	611	578	0	0	0
PERRY	327	327	171	156	0	0	0
PHILADELPHIA	20,707	12,925	6,366	6,559	7,782	4,170	3,612
PIKE	242	240	132	108	2	1	1
POTTER	199	199	104	95	0	0	0
SCHUYLKILL	2,084	2,078	1,065	1,013	6	3	3
SNYDER	295	295	151	144	0	0	0
SOMERSET	855	853	453	400	2	0	2
SULLIVAN	85	85	44	41	0	0	0
SUSQUEHANNA	386	382	191	191	4	0	4
TIOGA	421	420	207	213	1	1	0
UNION	318	314	161	153	4	3	1
VENANGO	683	679	353	326	4	3	1
WARREN	462	460	235	225	2	1	1
WASHINGTON	2,375	2,279	1,200	1,079	96	61	35
WAYNE	431	427	225	202	4	2	2
WESTMORELAND	3,799	3,743	1,907	1,836	56	41	15
WYOMING	253	253	125	128	0	0	0
YORK	2,871	2,772	1,410	1,362	99	50	49

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.

**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

TABLE C-29
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

			HEART DISEASE							
	ALL CAUSES		TOTAL HEART DISEASE		RHEUMATIC HEART DISEASE		WITH HYPERTENSION		ISCHEMIC EXCL. ACUTE MYOCARDIAL INFARCT.	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	125,337	1044.3	47,810	398.3	468	3.9	1,055	8.8	14,104	117.5
ADAMS	710	955.6	278	374.2	1	1.3	9	12.1	57	76.7
ALLEGHENY	15,742	1162.4	6,146	453.8	71	5.2	137	10.1	2,115	156.2
ARMSTRONG	871	1118.1	389	499.4	5	6.4	4	5.1	194	249.0
BEAVER	2,042	1075.9	792	417.3	4	2.1	19	10.0	236	124.3
BEDFORD	482	1004.1	190	395.8	1	2.1	8	16.7	54	112.5
BERKS	3,402	1033.7	1,242	377.4	14	4.3	21	6.4	384	116.7
BLAIR	1,591	1200.8	663	500.4	11	8.3	13	9.8	223	168.3
BRADFORD	578	896.1	196	303.9	2	3.1	5	7.8	61	94.6
BUCKS	3,933	723.5	1,315	241.9	14	2.6	32	5.9	365	67.1
BUTLER	1,367	891.1	536	349.4	5	3.3	8	5.2	231	150.6
CAMBRIA	1,865	1096.4	772	453.8	15	8.8	23	13.5	249	146.4
CAMERON	70	1093.9	23	359.4	2	31.3	0	-	3	46.9
CARBON	623	1110.4	261	465.2	3	5.3	7	12.5	78	139.0
CENTRE	749	647.4	316	273.1	5	4.3	2	1.7	58	50.1
CHESTER	2,645	721.7	962	262.5	12	3.3	29	7.9	317	86.5
CLARION	397	949.8	162	387.6	2	4.8	3	7.2	56	134.0
CLEARFIELD	897	1098.0	396	484.7	5	6.1	4	4.9	128	156.7
CLINTON	386	1015.7	151	397.3	1	2.6	0	-	50	131.6
COLUMBIA	702	1150.8	270	442.6	0	-	4	6.6	73	119.7
CRAWFORD	867	1008.2	365	424.4	2	2.3	10	11.6	132	153.5
CUMBERLAND	1,643	841.3	617	315.9	9	4.6	9	4.6	213	109.1
DAUPHIN	2,379	987.9	908	377.1	14	5.8	19	7.9	233	96.8
DELAWARE	5,811	1043.5	2,113	379.4	16	2.9	73	13.1	491	88.2
ELK	399	1087.3	144	392.4	1	2.7	5	13.6	34	92.6
ERIE	2,597	937.5	962	347.3	9	3.2	17	6.1	284	102.5
FAYETTE	1,772	1164.3	696	457.3	4	2.6	9	5.9	299	196.5
FOREST	67	1426.7	26	553.7	0	-	0	-	7	149.1
FRANKLIN	1,062	882.8	379	315.0	2	1.7	5	4.2	98	81.5
FULTON	124	861.1	37	256.9	1	6.9	2	13.9	8	55.6
GREENE	422	1063.0	183	461.0	0	-	1	2.5	55	138.5
HUNTINGDON	427	990.7	187	433.9	1	2.3	0	-	78	181.0
INDIANA	824	895.6	306	332.6	6	6.5	5	5.4	87	94.6
JEFFERSON	555	1163.5	237	496.8	5	10.5	3	6.3	69	144.6

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

			HEART DISEASE							
	ALL CAUSES		TOTAL HEART DISEASE		RHEUMATIC HEART DISEASE		WITH HYPERTENSION		ISCHEMIC EXCL. ACUTE MYOCARDIAL INFARCT.	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	211	1039.3	78	384.2	1	4.9	2	9.9	20	98.5
LACKAWANNA	2,873	1292.4	1,233	554.6	13	5.8	33	14.8	361	162.4
LANCASTER	3,509	847.4	1,345	324.8	12	2.9	39	9.4	393	94.9
LAWRENCE	1,133	1122.9	489	484.6	5	5.0	10	9.9	224	222.0
LEBANON	1,157	1012.2	482	421.7	5	4.4	13	11.4	158	138.2
LEHIGH	2,724	943.5	1,059	366.8	10	3.5	18	6.2	297	102.9
LUZERNE	4,581	1381.9	1,931	582.5	20	6.0	29	8.7	477	143.9
LYCOMING	1,135	959.4	415	350.8	1	0.8	9	7.6	93	78.6
MCKEAN	615	1331.4	309	668.9	2	4.3	6	13.0	79	171.0
MERCER	1,308	1068.6	528	431.4	5	4.1	10	8.2	161	131.5
MIFFLIN	487	1042.8	189	404.7	3	6.4	2	4.3	58	124.2
MONROE	816	872.7	349	373.2	2	2.1	3	3.2	68	72.7
MONTGOMERY	6,238	907.3	2,270	330.2	21	3.1	54	7.9	641	93.2
MONTOUR	231	1399.7	86	521.1	1	6.1	0	-	22	133.3
NORTHAMPTON	2,336	959.0	997	409.3	8	3.3	18	7.4	296	121.5
NORTHUMBERLAND	1,189	1208.3	479	486.8	1	1.0	13	13.2	112	113.8
PERRY	327	801.5	116	284.3	2	4.9	2	4.9	24	58.8
PHILADELPHIA	20,707	1257.3	6,702	406.9	49	3.0	183	11.1	1,527	92.7
PIKE	242	902.9	106	395.5	0	-	5	18.7	28	104.5
POTTER	199	1105.4	81	449.9	0	-	4	22.2	13	72.2
SCHUYLKILL	2,084	1352.4	803	521.1	10	6.5	13	8.4	276	179.1
SNYDER	295	810.4	118	324.2	0	-	4	11.0	21	57.7
SOMERSET	855	1062.1	386	479.5	5	6.2	22	27.3	144	178.9
SULLIVAN	85	1327.3	35	546.5	0	-	3	46.8	3	46.8
SUSQUEHANNA	386	943.8	176	430.3	2	4.9	8	19.6	67	163.8
TIOGA	421	1044.7	184	456.6	0	-	2	5.0	49	121.6
UNION	318	911.1	124	355.3	0	-	2	5.7	29	83.1
VENANGO	683	1119.8	293	480.4	2	3.3	8	13.1	82	134.4
WARREN	462	1013.2	172	377.2	1	2.2	3	6.6	56	122.8
WASHINGTON	2,375	1135.8	996	476.3	11	5.3	11	5.3	348	166.4
WAYNE	431	1064.3	178	439.6	2	4.9	4	9.9	54	133.3
WESTMORELAND	3,799	1003.2	1,671	441.2	19	5.0	18	4.8	635	167.7
WYOMING	253	890.8	100	352.1	0	-	1	3.5	23	81.0
YORK	2,871	854.2	1,110	330.3	12	3.6	17	5.1	245	72.9

---

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*:
PENNSYLVANIA RESIDENTS, 1988

	HEART DISEASE				MALIGNANT NEOPLASMS							
	ACUTE MYOCARDIAL INFARCTION		OTHER HEART DISEASE		TOTAL MALIGNANT NEOPLASMS		BUCCAL CAVITY AND PHARYNX		DIGESTIVE ORGANS AND PERITONEUM		RESPIRATORY SYSTEM	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	15,082	125.7	17,101	142.5	28,316	235.9	393	3.3	7,078	59.0	7,632	63.6
ADAMS	85	114.4	126	169.6	151	203.2	7	9.4	28	37.7	33	44.4
ALLEGHENY	1,815	134.0	2,008	148.3	3,734	275.7	51	3.8	893	65.9	1,121	82.8
ARMSTRONG	96	123.2	90	115.5	177	227.2	0	-	48	61.6	46	59.1
BEAVER	271	142.8	262	138.0	457	240.8	6	3.2	113	59.5	128	67.4
BEDFORD	74	154.2	53	110.4	120	250.0	0	-	33	68.7	31	64.6
BERKS	362	110.0	461	140.1	767	233.1	6	1.8	202	61.4	173	52.6
BLAIR	252	190.2	164	123.8	334	252.1	0	-	99	74.7	90	67.9
BRADFORD	65	100.8	63	97.7	108	167.4	0	-	28	43.4	27	41.9
BUCKS	404	74.3	500	92.0	950	174.8	17	3.1	223	41.0	258	47.5
BUTLER	147	95.8	145	94.5	306	199.5	2	1.3	76	49.5	82	53.5
CAMBRIA	289	169.9	196	115.2	394	231.6	6	3.5	109	64.1	98	57.6
CAMERON	7	109.4	11	171.9	10	156.3	0	-	5	78.1	3	46.9
CARBON	88	156.8	85	151.5	139	247.7	1	1.8	33	58.8	41	73.1
CENTRE	124	107.2	127	109.8	165	142.6	4	3.5	42	36.3	37	32.0
CHESTER	260	70.9	344	93.9	638	174.1	6	1.6	147	40.1	172	46.9
CLARION	44	105.3	57	136.4	85	203.3	1	2.4	17	40.7	13	31.1
CLEARFIELD	134	164.0	125	153.0	192	235.0	2	2.4	52	63.7	46	56.3
CLINTON	53	139.5	47	123.7	81	213.1	0	-	21	55.3	18	47.4
COLUMBIA	88	144.3	105	172.1	160	262.3	2	3.3	36	59.0	50	82.0
CRAWFORD	150	174.4	71	82.6	146	169.8	4	4.7	38	44.2	36	41.9
CUMBERLAND	217	111.1	169	86.5	395	202.3	5	2.6	114	58.4	97	49.7
DAUPHIN	215	89.3	427	177.3	534	221.8	5	2.1	107	44.4	131	54.4
DELAWARE	671	120.5	862	154.8	1,402	251.7	19	3.4	338	60.7	408	73.3
ELK	52	141.7	52	141.7	95	258.9	1	2.7	26	70.8	25	68.1
ERIE	408	147.3	244	88.1	581	209.7	7	2.5	148	53.4	149	53.8
FAYETTE	198	130.1	186	122.2	407	267.4	5	3.3	108	71.0	102	67.0
FOREST	15	319.4	4	85.2	12	255.5	0	-	3	63.9	3	63.9
FRANKLIN	130	108.1	144	119.7	222	184.5	3	2.5	53	44.1	48	39.9
FULTON	16	111.1	10	69.4	31	215.3	0	-	6	41.7	8	55.6
GREENE	77	194.0	50	126.0	78	196.5	0	-	14	35.3	25	63.0
HUNTINGDON	59	136.9	49	113.7	103	239.0	2	4.6	28	65.0	20	46.4
INDIANA	109	118.5	99	107.6	181	196.7	2	2.2	39	42.4	49	53.3
JEFFERSON	96	201.2	64	134.2	132	276.7	1	2.1	24	50.3	37	77.6

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	HEART DISEASE				MALIGNANT NEOPLASMS							
	ACUTE MYOCARDIAL INFARCTION		OTHER HEART DISEASE		TOTAL MALIGNANT NEOPLASMS		BUCCAL CAVITY AND PHARYNX		DIGESTIVE ORGANS AND PERITONEUM		RESPIRATORY SYSTEM	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	21	103.4	34	167.5	33	162.5	0	-	6	29.6	6	29.6
LACKAWANNA	327	147.1	499	224.5	665	299.1	10	4.5	176	79.2	157	70.6
LANCASTER	348	84.0	553	133.5	792	191.3	5	1.2	183	44.2	199	48.1
LAWRENCE	153	151.6	97	96.1	236	233.9	5	5.0	57	56.5	64	63.4
LEBANON	117	102.4	189	165.4	267	233.6	3	2.6	67	58.6	69	60.4
LEHIGH	326	112.9	408	141.3	639	221.3	8	2.8	140	48.5	153	53.0
LUZERNE	543	163.8	862	260.0	973	293.5	13	3.9	295	89.0	218	65.8
LYCOMING	136	115.0	176	148.8	274	231.6	4	3.4	61	51.6	79	66.8
MCKEAN	71	153.7	151	326.9	111	240.3	1	2.2	30	64.9	33	71.4
MERCER	225	183.8	127	103.8	267	218.1	4	3.3	62	50.7	65	53.1
MIFFLIN	69	147.7	57	122.0	103	220.5	2	4.3	22	47.1	28	60.0
MONROE	75	80.2	201	215.0	174	186.1	6	6.4	49	52.4	39	41.7
MONTGOMERY	761	110.7	793	115.3	1,554	226.0	20	2.9	414	60.2	403	58.6
MONTOUR	30	181.8	33	200.0	40	242.4	2	12.1	13	78.8	6	36.4
NORTHAMPTON	244	100.2	431	176.9	549	225.4	11	4.5	135	55.4	142	58.3
NORTHUMBERLAND	200	203.3	153	155.5	276	280.5	3	3.0	71	72.2	72	73.2
PERRY	52	127.5	36	88.2	73	178.9	1	2.5	15	36.8	26	63.7
PHILADELPHIA	1,978	120.1	2,965	180.0	4,604	279.5	88	5.3	1,151	69.9	1,361	82.6
PIKE	29	108.2	44	164.2	55	205.2	0	-	19	70.9	12	44.8
POTTER	31	172.2	33	183.3	48	266.6	0	-	9	50.0	15	83.3
SCHUYLKILL	310	201.2	194	125.9	447	290.1	10	6.5	138	89.6	113	73.3
SNYDER	54	148.4	39	107.1	63	173.1	2	5.5	18	49.5	7	19.2
SOMERSET	133	165.2	82	101.9	169	209.9	2	2.5	39	48.4	53	65.8
SULLIVAN	12	187.4	17	265.5	15	234.2	0	-	5	78.1	5	78.1
SUSQUEHANNA	58	141.8	41	100.2	87	212.7	0	-	22	53.8	16	39.1
TIOGA	67	166.3	66	163.8	72	178.7	1	2.5	20	49.6	15	37.2
UNION	64	183.4	29	83.1	59	169.0	0	-	9	25.8	14	40.1
VENANGO	114	186.9	87	142.6	129	211.5	1	1.6	25	41.0	37	60.7
WARREN	72	157.9	40	87.7	93	204.0	2	4.4	21	46.1	30	65.8
WASHINGTON	382	182.7	244	116.7	492	235.3	3	1.4	119	56.9	138	66.0
WAYNE	54	133.3	64	158.0	85	209.9	1	2.5	23	56.8	19	46.9
WESTMORELAND	493	130.2	506	133.6	846	223.4	14	3.7	243	64.2	226	59.7
WYOMING	37	130.3	39	137.3	54	190.1	0	-	13	45.8	15	52.8
YORK	425	126.5	411	122.3	685	203.8	6	1.8	157	46.7	192	57.1

---

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	MALIGNANT NEOPLASMS									
	BONE, TISSUE, SKIN AND BREAST		GENITOURINARY SYSTEM		OTHER SITES		LEUKEMIA		OTHER LYMPHATIC, HEMATOPOIETIC	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	3,199	26.7	4,150	34.6	3,197	26.6	1,020	8.5	1,647	13.7
ADAMS	20	26.9	29	39.0	23	31.0	4	5.4	7	9.4
ALLEGHENY	393	29.0	537	39.7	419	30.9	125	9.2	195	14.4
ARMSTRONG	15	19.3	29	37.2	25	32.1	5	6.4	9	11.6
BEAVER	47	24.8	73	38.5	56	29.5	18	9.5	16	8.4
BEDFORD	17	35.4	20	41.7	10	20.8	3	6.2	6	12.5
BERKS	91	27.7	120	36.5	109	33.1	23	7.0	43	13.1
BLAIR	28	21.1	50	37.7	32	24.2	11	8.3	24	18.1
BRADFORD	14	21.7	20	31.0	12	18.6	4	6.2	3	4.7
BUCKS	116	21.3	126	23.2	115	21.2	34	6.3	61	11.2
BUTLER	40	26.1	47	30.6	36	23.5	8	5.2	15	9.8
CAMBRIA	44	25.9	66	38.8	47	27.6	7	4.1	17	10.0
CAMERON	0	-	1	15.6	0	-	0	-	1	15.6
CARBON	20	35.6	8	14.3	21	37.4	5	8.9	10	17.8
CENTRE	17	14.7	31	26.8	17	14.7	7	6.1	10	8.6
CHESTER	71	19.4	116	31.7	61	16.6	21	5.7	44	12.0
CLARION	8	19.1	18	43.1	13	31.1	6	14.4	9	21.5
CLEARFIELD	30	36.7	34	41.6	18	22.0	5	6.1	5	6.1
CLINTON	8	21.0	10	26.3	12	31.6	3	7.9	9	23.7
COLUMBIA	20	32.8	24	39.3	15	24.6	4	6.6	9	14.8
CRAWFORD	20	23.3	20	23.3	12	14.0	7	8.1	9	10.5
CUMBERLAND	46	23.6	63	32.3	34	17.4	17	8.7	19	9.7
DAUPHIN	69	28.7	90	37.4	70	29.1	20	8.3	42	17.4
DELAWARE	179	32.1	197	35.4	137	24.6	57	10.2	67	12.0
ELK	14	38.1	14	38.1	8	21.8	1	2.7	6	16.3
ERIE	67	24.2	79	28.5	53	19.1	29	10.5	49	17.7
FAYETTE	46	30.2	59	38.8	44	28.9	11	7.2	32	21.0
FOREST	1	21.3	4	85.2	1	21.3	0	-	0	-
FRANKLIN	27	22.4	37	30.8	21	17.5	14	11.6	19	15.8
FULTON	6	41.7	6	41.7	4	27.8	0	-	1	6.9
GREENE	10	25.2	10	25.2	10	25.2	5	12.6	4	10.1
HUNTINGDON	12	27.8	22	51.0	4	9.3	8	18.6	7	16.2
INDIANA	19	20.7	28	30.4	14	15.2	10	10.9	20	21.7
JEFFERSON	14	29.3	21	44.0	15	31.4	9	18.9	11	23.1

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	MALIGNANT NEOPLASMS									
	BONE, TISSUE, SKIN AND BREAST		GENITOURINARY SYSTEM		OTHER SITES		LEUKEMIA		OTHER LYMPHATIC, HEMATOPOIETIC	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	3	14.8	9	44.3	4	19.7	0	-	5	24.6
LACKAWANNA	65	29.2	111	49.9	88	39.6	25	11.2	33	14.8
LANCASTER	89	21.5	117	28.3	104	25.1	29	7.0	66	15.9
LAWRENCE	27	26.8	35	34.7	25	24.8	8	7.9	15	14.9
LEBANON	33	28.9	39	34.1	31	27.1	14	12.2	11	9.6
LEHIGH	89	30.8	92	31.9	93	32.2	29	10.0	35	12.1
LUZERNE	101	30.5	149	44.9	106	32.0	33	10.0	58	17.5
LYCOMING	36	30.4	37	31.3	36	30.4	14	11.8	7	5.9
MCKEAN	12	26.0	12	26.0	12	26.0	4	8.7	7	15.2
MERCER	34	27.8	40	32.7	30	24.5	14	11.4	18	14.7
MIFFLIN	10	21.4	20	42.8	10	21.4	5	10.7	6	12.8
MONROE	15	16.0	24	25.7	25	26.7	5	5.3	11	11.8
MONTGOMERY	204	29.7	205	29.8	152	22.1	62	9.0	94	13.7
MONTOUR	3	18.2	9	54.5	4	24.2	2	12.1	1	6.1
NORTHAMPTON	69	28.3	80	32.8	59	24.2	25	10.3	28	11.5
NORTHUMBERLAND	32	32.5	38	38.6	32	32.5	9	9.1	19	19.3
PERRY	7	17.2	12	29.4	3	7.4	2	4.9	7	17.2
PHILADELPHIA	498	30.2	614	37.3	519	31.5	130	7.9	243	14.8
PIKE	3	11.2	9	33.6	8	29.8	1	3.7	3	11.2
POTTER	2	11.1	8	44.4	10	55.5	2	11.1	2	11.1
SCHUYLKILL	44	28.6	57	37.0	51	33.1	16	10.4	18	11.7
SNYDER	4	11.0	11	30.2	11	30.2	3	8.2	7	19.2
SOMERSET	13	16.1	24	29.8	16	19.9	8	9.9	14	17.4
SULLIVAN	2	31.2	0	-	2	31.2	1	15.6	0	-
SUSQUEHANNA	11	26.9	17	41.6	14	34.2	3	7.3	4	9.8
TIOGA	7	17.4	15	37.2	5	12.4	3	7.4	6	14.9
UNION	11	31.5	8	22.9	9	25.8	4	11.5	4	11.5
VENANGO	20	32.8	20	32.8	11	18.0	7	11.5	8	13.1
WARREN	8	17.5	16	35.1	10	21.9	3	6.6	3	6.6
WASHINGTON	54	25.8	68	32.5	58	27.7	23	11.0	29	13.9
WAYNE	8	19.8	15	37.0	7	17.3	6	14.8	6	14.8
WESTMORELAND	86	22.7	120	31.7	75	19.8	29	7.7	53	14.0
WYOMING	8	28.2	8	28.2	6	21.1	1	3.5	3	10.6
YORK	62	18.4	102	30.3	103	30.6	19	5.7	44	13.1

---

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	CEREBROVASCULAR DISEASE		UNINTENTIONAL INJURIES OTHER		UNINTENTIONAL INJURIES MOTOR VEHICLE		CHRONIC OBSTRUCTIVE PULMONARY DIS		PNEUMONIA & INFLUENZA		DIABETES MELLITUS	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	8,036	67.0	2,479	20.7	1,958	16.3	4,303	35.9	3,990	33.2	2,614	21.8
ADAMS	41	55.2	12	16.2	19	25.6	26	35.0	21	28.3	28	37.7
ALLEGHENY	988	73.0	260	19.2	126	9.3	564	41.6	486	35.9	305	22.5
ARMSTRONG	44	56.5	12	15.4	15	19.3	35	44.9	27	34.7	15	19.3
BEAVER	125	65.9	44	23.2	25	13.2	65	34.2	89	46.9	67	35.3
BEDFORD	31	64.6	10	20.8	20	41.7	9	18.7	18	37.5	14	29.2
BERKS	222	67.5	64	19.4	50	15.2	142	43.1	149	45.3	65	19.8
BLAIR	106	80.0	31	23.4	31	23.4	58	43.8	44	33.2	42	31.7
BRADFORD	41	63.6	15	23.3	20	31.0	16	24.8	24	37.2	18	27.9
BUCKS	265	48.7	57	10.5	96	17.7	143	26.3	101	18.6	59	10.9
BUTLER	78	50.8	22	14.3	45	29.3	41	26.7	78	50.8	31	20.2
CAMBRIA	113	66.4	30	17.6	38	22.3	66	38.8	47	27.6	48	28.2
CAMERON	5	78.1	0	-	5	78.1	3	46.9	3	46.9	2	31.3
CARBON	32	57.0	12	21.4	8	14.3	17	30.3	20	35.6	22	39.2
CENTRE	46	39.8	13	11.2	19	16.4	38	32.8	25	21.6	14	12.1
CHESTER	182	49.7	46	12.6	62	16.9	105	28.6	85	23.2	34	9.3
CLARION	30	71.8	5	12.0	7	16.7	13	31.1	12	28.7	8	19.1
CLEARFIELD	46	56.3	13	15.9	18	22.0	44	53.9	41	50.2	15	18.4
CLINTON	20	52.6	7	18.4	14	36.8	17	44.7	19	50.0	8	21.0
COLUMBIA	56	91.8	6	9.8	19	31.1	25	41.0	30	49.2	10	16.4
CRAWFORD	67	77.9	13	15.1	13	15.1	42	48.8	40	46.5	15	17.4
CUMBERLAND	137	70.1	19	9.7	26	13.3	64	32.8	56	28.7	37	18.9
DAUPHIN	165	68.5	51	21.2	41	17.0	80	33.2	65	27.0	59	24.5
DELAWARE	419	75.2	96	17.2	55	9.9	203	36.5	187	33.6	103	18.5
ELK	36	98.1	11	30.0	6	16.3	11	30.0	20	54.5	9	24.5
ERIE	224	80.9	62	22.4	48	17.3	86	31.0	98	35.4	50	18.1
FAYETTE	122	80.2	36	23.7	39	25.6	40	26.3	47	30.9	38	25.0
FOREST	7	149.1	1	21.3	6	127.8	1	21.3	4	85.2	1	21.3
FRANKLIN	68	56.5	21	17.5	34	28.3	38	31.6	41	34.1	39	32.4
FULTON	6	41.7	3	20.8	2	13.9	6	41.7	3	20.8	2	13.9
GREENE	29	73.1	9	22.7	10	25.2	11	27.7	14	35.3	3	7.6
HUNTINGDON	22	51.0	13	30.2	11	25.5	16	37.1	10	23.2	6	13.9
INDIANA	48	52.2	19	20.7	22	23.9	34	37.0	29	31.5	18	19.6
JEFFERSON	32	67.1	9	18.9	12	25.2	18	37.7	16	33.5	10	21.0

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

			UNINTENTIONAL INJURIES									
	CEREBROVASCULAR DISEASE		OTHER		MOTOR VEHICLE		CHRONIC OBSTRUCTIVE PULMONARY DIS		PNEUMONIA & INFLUENZA		DIABETES MELLITUS	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	12	59.1	9	44.3	7	34.5	12	59.1	6	29.6	3	14.8
LACKAWANNA	162	72.9	40	18.0	37	16.6	105	47.2	61	27.4	53	23.8
LANCASTER	233	56.3	60	14.5	70	16.9	129	31.2	143	34.5	100	24.1
LAWRENCE	91	90.2	19	18.8	15	14.9	33	32.7	35	34.7	27	26.8
LEBANON	75	65.6	18	15.7	30	26.2	51	44.6	37	32.4	30	26.2
LEHIGH	153	53.0	48	16.6	43	14.9	92	31.9	76	26.3	63	21.8
LUZERNE	241	72.7	67	20.2	58	17.5	132	39.8	119	35.9	113	34.1
LYCOMING	70	59.2	23	19.4	23	19.4	70	59.2	32	27.0	41	34.7
MCKEAN	26	56.3	7	15.2	9	19.5	28	60.6	24	52.0	8	17.3
MERCER	73	59.6	25	20.4	28	22.9	60	49.0	59	48.2	25	20.4
MIFFLIN	36	77.1	9	19.3	11	23.6	24	51.4	13	27.8	9	19.3
MONROE	39	41.7	19	20.3	22	23.5	27	28.9	18	19.3	15	16.0
MONTGOMERY	443	64.4	125	18.2	80	11.6	226	32.9	213	31.0	99	14.4
MONTOUR	17	103.0	5	30.3	5	30.3	11	66.7	10	60.6	5	30.3
NORTHAMPTON	122	50.1	31	12.7	37	15.2	85	34.9	70	28.7	47	19.3
NORTHUMBERLAND	80	81.3	16	16.3	27	27.4	29	29.5	43	43.7	38	38.6
PERRY	27	66.2	6	14.7	17	41.7	17	41.7	10	24.5	7	17.2
PHILADELPHIA	1,198	72.7	612	37.2	163	9.9	563	34.2	596	36.2	371	22.5
PIKE	9	33.6	4	14.9	6	22.4	12	44.8	3	11.2	6	22.4
POTTER	14	77.8	6	33.3	4	22.2	13	72.2	7	38.9	4	22.2
SCHUYLKILL	163	105.8	40	26.0	30	19.5	68	44.1	57	37.0	45	29.2
SNYDER	32	87.9	4	11.0	8	22.0	7	19.2	11	30.2	9	24.7
SOMERSET	54	67.1	15	18.6	20	24.8	35	43.5	20	24.8	20	24.8
SULLIVAN	7	109.3	2	31.2	1	15.6	3	46.8	3	46.8	5	78.1
SUSQUEHANNA	16	39.1	4	9.8	14	34.2	12	29.3	11	26.9	6	14.7
TIOGA	33	81.9	8	19.9	13	32.3	21	52.1	10	24.8	13	32.3
UNION	30	86.0	8	22.9	10	28.7	8	22.9	6	17.2	14	40.1
VENANGO	46	75.4	14	23.0	17	27.9	28	45.9	32	52.5	11	18.0
WARREN	37	81.1	9	19.7	6	13.2	13	28.5	21	46.1	19	41.7
WASHINGTON	150	71.7	59	28.2	39	18.7	94	45.0	91	43.5	42	20.1
WAYNE	25	61.7	9	22.2	17	42.0	10	24.7	15	37.0	9	22.2
WESTMORELAND	248	65.5	67	17.7	48	12.7	108	28.5	104	27.5	102	26.9
WYOMING	14	49.3	3	10.6	10	35.2	6	21.1	9	31.7	7	24.6
YORK	207	61.6	66	19.6	71	21.1	94	28.0	76	22.6	53	15.8

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	SEPTICEMIA		NEPHRITIS AND NEPHROSIS		SUICIDE		LIVER DISEASE AND CIRRHOSIS		ATHERO-SCLEROSIS		AORTIC ANEURYSM	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	1,894	15.8	1,605	13.4	1,479	12.3	1,226	10.2	1,038	8.6	942	7.8
ADAMS	6	8.1	3	4.0	6	8.1	3	4.0	25	33.6	5	6.7
ALLEGHENY	227	16.8	234	17.3	172	12.7	195	14.4	107	7.9	131	9.7
ARMSTRONG	9	11.6	6	7.7	14	18.0	7	9.0	13	16.7	7	9.0
BEAVER	27	14.2	33	17.4	25	13.2	14	7.4	9	4.7	16	8.4
BEDFORD	3	6.2	6	12.5	4	8.3	6	12.5	4	8.3	3	6.2
BERKS	38	11.5	32	9.7	49	14.9	20	6.1	43	13.1	29	8.8
BLAIR	16	12.1	23	17.4	17	12.8	12	9.1	9	6.8	10	7.5
BRADFORD	7	10.9	6	9.3	11	17.1	5	7.8	18	27.9	4	6.2
BUCKS	75	13.8	46	8.5	60	11.0	37	6.8	42	7.7	34	6.3
BUTLER	15	9.8	23	15.0	21	13.7	8	5.2	22	14.3	7	4.6
CAMBRIA	19	11.2	25	14.7	27	15.9	19	11.2	19	11.2	12	7.1
CAMERON	0	-	1	15.6	1	15.6	4	62.5	1	15.6	3	46.9
CARBON	2	3.6	8	14.3	3	5.3	6	10.7	6	10.7	3	5.3
CENTRE	8	6.9	7	6.1	6	5.2	4	3.5	2	1.7	9	7.8
CHESTER	32	8.7	25	6.8	44	12.0	25	6.8	17	4.6	31	8.5
CLARION	4	9.6	9	21.5	6	14.4	1	2.4	3	7.2	0	-
CLEARFIELD	7	8.6	11	13.5	5	6.1	6	7.3	6	7.3	5	6.1
CLINTON	6	15.8	6	15.8	3	7.9	1	2.6	1	2.6	1	2.6
COLUMBIA	4	6.6	12	19.7	2	3.3	3	4.9	8	13.1	8	13.1
CRAWFORD	5	5.8	9	10.5	16	18.6	12	14.0	17	19.8	5	5.8
CUMBERLAND	19	9.7	22	11.3	16	8.2	12	6.1	14	7.2	18	9.2
DAUPHIN	45	18.7	22	9.1	28	11.6	22	9.1	34	14.1	23	9.6
DELAWARE	82	14.7	68	12.2	62	11.1	83	14.9	40	7.2	43	7.7
ELK	2	5.4	6	16.3	4	10.9	3	8.2	1	2.7	5	13.6
ERIE	23	8.3	26	9.4	29	10.5	27	9.7	23	8.3	27	9.7
FAYETTE	18	11.8	32	21.0	22	14.5	16	10.5	12	7.9	14	9.2
FOREST	0	-	1	21.3	1	21.3	2	42.6	0	-	1	21.3
FRANKLIN	12	10.0	17	14.1	12	10.0	15	12.5	13	10.8	14	11.6
FULTON	3	20.8	0	-	1	6.9	1	6.9	9	62.5	2	13.9
GREENE	2	5.0	7	17.6	5	12.6	3	7.6	1	2.5	6	15.1
HUNTINGDON	2	4.6	5	11.6	6	13.9	1	2.3	4	9.3	2	4.6
INDIANA	9	9.8	10	10.9	12	13.0	7	7.6	29	31.5	10	10.9
JEFFERSON	7	14.7	5	10.5	7	14.7	6	12.6	2	4.2	3	6.3

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	SEPTICEMIA		NEPHRITIS AND NEPHROSIS		SUICIDE		LIVER DISEASE AND CIRRHOSIS		ATHERO-SCLEROSIS		AORTIC ANEURYSM	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	3	14.8	5	24.6	6	29.6	3	14.8	2	9.9	2	9.9
LACKAWANNA	37	16.6	34	15.3	26	11.7	39	17.5	20	9.0	14	6.3
LANCASTER	43	10.4	51	12.3	45	10.9	15	3.6	35	8.5	30	7.2
LAWRENCE	13	12.9	19	18.8	11	10.9	11	10.9	6	5.9	4	4.0
LEBANON	8	7.0	11	9.6	14	12.2	6	5.2	7	6.1	9	7.9
LEHIGH	42	14.5	33	11.4	50	17.3	28	9.7	29	10.0	27	9.4
LUZERNE	45	13.6	49	14.8	53	16.0	52	15.7	45	13.6	28	8.4
LYCOMING	6	5.1	20	16.9	13	11.0	7	5.9	7	5.9	7	5.9
MCKEAN	6	13.0	9	19.5	7	15.2	5	10.8	7	15.2	5	10.8
MERCER	12	9.8	14	11.4	14	11.4	14	11.4	14	11.4	9	7.4
MIFFLIN	11	23.6	3	6.4	7	15.0	3	6.4	4	8.6	3	6.4
MONROE	7	7.5	10	10.7	19	20.3	5	5.3	8	8.6	6	6.4
MONTGOMERY	91	13.2	48	7.0	74	10.8	65	9.5	51	7.4	48	7.0
MONTOUR	6	36.4	2	12.1	4	24.2	0	-	3	18.2	2	12.1
NORTHAMPTON	30	12.3	38	15.6	23	9.4	20	8.2	14	5.7	17	7.0
NORTHUMBERLAND	20	20.3	15	15.2	10	10.2	7	7.1	11	11.2	12	12.2
PERRY	4	9.8	3	7.4	6	14.7	3	7.4	2	4.9	4	9.8
PHILADELPHIA	646	39.2	301	18.3	208	12.6	248	15.1	96	5.8	94	5.7
PIKE	1	3.7	3	11.2	1	3.7	1	3.7	3	11.2	2	7.5
POTTER	0	-	1	5.6	2	11.1	1	5.6	1	5.6	0	-
SCHUYLKILL	16	10.4	27	17.5	31	20.1	17	11.0	2	1.3	27	17.5
SNYDER	1	2.7	2	5.5	2	5.5	1	2.7	3	8.2	0	-
SOMERSET	7	8.7	13	16.1	7	8.7	8	9.9	7	8.7	5	6.2
SULLIVAN	0	-	3	46.8	2	31.2	0	-	1	15.6	1	15.6
SUSQUEHANNA	6	14.7	1	2.4	6	14.7	4	9.8	4	9.8	4	9.8
TIOGA	5	12.4	3	7.4	5	12.4	6	14.9	4	9.9	3	7.4
UNION	3	8.6	2	5.7	4	11.5	3	8.6	4	11.5	4	11.5
VENANGO	6	9.8	12	19.7	8	13.1	1	1.6	3	4.9	4	6.6
WARREN	3	6.6	2	4.4	8	17.5	8	17.5	2	4.4	4	8.8
WASHINGTON	22	10.5	49	23.4	32	15.3	16	7.7	15	7.2	20	9.6
WAYNE	3	7.4	4	9.9	5	12.3	1	2.5	4	9.9	5	12.3
WESTMORELAND	36	9.5	40	10.6	43	11.4	27	7.1	28	7.4	24	6.3
WYOMING	5	17.6	2	7.0	0	-	0	-	16	56.3	3	10.6
YORK	16	4.8	30	8.9	36	10.7	15	4.5	26	7.7	24	7.1

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	PERINATAL CONDITIONS		HOMICIDE AND LEGAL INTERV		CONGENITAL ANOMALIES		PNEUMOCONIOSIS		HIV INFECTION		HYPERTENSION	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	841	7.0	666	5.5	558	4.6	471	3.9	466	3.9	445	3.7
ADAMS	5	6.7	2	2.7	3	4.0	1	1.3	1	1.3	1	1.3
ALLEGHENY	100	7.4	46	3.4	51	3.8	6	0.4	57	4.2	45	3.3
ARMSTRONG	8	10.3	3	3.9	2	2.6	2	2.6	1	1.3	3	3.9
BEAVER	13	6.8	1	0.5	4	2.1	2	1.1	3	1.6	12	6.3
BEDFORD	6	12.5	1	2.1	3	6.2	0	-	0	-	0	-
BERKS	19	5.8	13	4.0	19	5.8	4	1.2	12	3.6	8	2.4
BLAIR	7	5.3	4	3.0	2	1.5	2	1.5	2	1.5	6	4.5
BRADFORD	1	1.6	0	-	3	4.7	0	-	2	3.1	0	-
BUCKS	30	5.5	14	2.6	26	4.8	1	0.2	17	3.1	8	1.5
BUTLER	8	5.2	6	3.9	6	3.9	0	-	1	0.7	6	3.9
CAMBRIA	9	5.3	3	1.8	14	8.2	24	14.1	2	1.2	6	3.5
CAMERON	0	-	0	-	0	-	0	-	0	-	1	15.6
CARBON	1	1.8	0	-	4	7.1	11	19.6	3	5.3	3	5.3
CENTRE	4	3.5	1	0.9	4	3.5	0	-	0	-	4	3.5
CHESTER	14	3.8	6	1.6	13	3.5	1	0.3	7	1.9	10	2.7
CLARION	0	-	0	-	2	4.8	0	-	1	2.4	0	-
CLEARFIELD	1	1.2	4	4.9	4	4.9	2	2.4	0	-	3	3.7
CLINTON	0	-	3	7.9	1	2.6	1	2.6	0	-	2	5.3
COLUMBIA	4	6.6	3	4.9	3	4.9	5	8.2	0	-	3	4.9
CRAWFORD	8	9.3	1	1.2	3	3.5	0	-	0	-	0	-
CUMBERLAND	4	2.0	5	2.6	11	5.6	0	-	5	2.6	0	-
DAUPHIN	19	7.9	12	5.0	10	4.2	1	0.4	7	2.9	13	5.4
DELAWARE	53	9.5	21	3.8	16	2.9	7	1.3	21	3.8	17	3.1
ELK	2	5.4	2	5.4	3	8.2	0	-	0	-	0	-
ERIE	20	7.2	7	2.5	16	5.8	0	-	4	1.4	12	4.3
FAYETTE	12	7.9	5	3.3	8	5.3	19	12.5	5	3.3	10	6.6
FOREST	0	-	0	-	0	-	0	-	0	-	0	-
FRANKLIN	2	1.7	0	-	5	4.2	0	-	0	-	9	7.5
FULTON	2	13.9	0	-	1	6.9	0	-	0	-	2	13.9
GREENE	6	15.1	0	-	1	2.5	3	7.6	1	2.5	1	2.5
HUNTINGDON	2	4.6	1	2.3	2	4.6	0	-	0	-	1	2.3
INDIANA	8	8.7	1	1.1	4	4.3	6	6.5	0	-	1	1.1
JEFFERSON	2	4.2	2	4.2	1	2.1	1	2.1	1	2.1	1	2.1

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	PERINATAL CONDITIONS		HOMICIDE AND LEGAL INTERV		CONGENITAL ANOMALIES		PNEUMOCONIOSIS		HIV INFECTION		HYPERTENSION	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	0	-	1	4.9	2	9.9	0	-	1	4.9	0	-
LACKAWANNA	8	3.6	5	2.2	13	5.8	31	13.9	5	2.2	14	6.3
LANCASTER	23	5.6	7	1.7	22	5.3	3	0.7	12	2.9	16	3.9
LAWRENCE	6	5.9	5	5.0	7	6.9	0	-	1	1.0	2	2.0
LEBANON	7	6.1	2	1.7	2	1.7	0	-	1	0.9	2	1.7
LEHIGH	19	6.6	16	5.5	9	3.1	1	0.3	13	4.5	17	5.9
LUZERNE	15	4.5	7	2.1	17	5.1	194	58.5	8	2.4	25	7.5
LYCOMING	12	10.1	2	1.7	5	4.2	0	-	2	1.7	5	4.2
MCKEAN	1	2.2	0	-	2	4.3	0	-	0	-	1	2.2
MERCER	5	4.1	5	4.1	3	2.5	0	-	0	-	0	-
MIFFLIN	5	10.7	0	-	3	6.4	0	-	0	-	2	4.3
MONROE	8	8.6	3	3.2	0	-	2	2.1	6	6.4	2	2.1
MONTGOMERY	39	5.7	18	2.6	30	4.4	5	0.7	14	2.0	20	2.9
MONTOUR	2	12.1	0	-	0	-	1	6.1	1	6.1	1	6.1
NORTHAMPTON	11	4.5	1	0.4	14	5.7	0	-	4	1.6	12	4.9
NORTHUMBERLAND	0	-	2	2.0	2	2.0	17	17.3	1	1.0	5	5.1
PERRY	0	-	2	4.9	1	2.5	0	-	1	2.5	1	2.5
PHILADELPHIA	257	15.6	391	23.7	116	7.0	8	0.5	219	13.3	74	4.5
PIKE	0	-	0	-	1	3.7	0	-	0	-	1	3.7
POTTER	0	-	0	-	1	5.6	0	-	0	-	0	-
SCHUYLKILL	10	6.5	2	1.3	6	3.9	94	61.0	2	1.3	2	1.3
SNYDER	1	2.7	0	-	4	11.0	0	-	1	2.7	1	2.7
SOMERSET	3	3.7	0	-	5	6.2	5	6.2	1	1.2	2	2.5
SULLIVAN	0	-	0	-	0	-	0	-	0	-	0	-
SUSQUEHANNA	1	2.4	0	-	0	-	3	7.3	1	2.4	1	2.4
TIOGA	0	-	1	2.5	3	7.4	0	-	1	2.5	2	5.0
UNION	2	5.7	4	11.5	2	5.7	0	-	1	2.9	2	5.7
VENANGO	1	1.6	0	-	5	8.2	0	-	3	4.9	0	-
WARREN	2	4.4	1	2.2	2	4.4	0	-	0	-	0	-
WASHINGTON	7	3.3	6	2.9	5	2.4	4	1.9	3	1.4	12	5.7
WAYNE	1	2.5	1	2.5	1	2.5	0	-	0	-	3	7.4
WESTMORELAND	10	2.6	5	1.3	11	2.9	4	1.1	5	1.3	15	4.0
WYOMING	2	7.0	0	-	1	3.5	0	-	1	3.5	3	10.6
YORK	13	3.9	12	3.6	18	5.4	0	-	5	1.5	14	4.2

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

COUNTY	BENIGN AND UNSPECIFIED NEOPLASMS		PARKINSON'S DISEASE		HERNIA AND INTESTINAL OBSTRUCTION		ULCERS OF STOMACH AND DUODENUM		ANEMIAS		NUTRITIONAL DEFICIENCIES	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	420	3.5	365	3.0	305	2.5	302	2.5	223	1.9	176	1.5
ADAMS	1	1.3	3	4.0	1	1.3	2	2.7	1	1.3	0	-
ALLEGHENY	51	3.8	59	4.4	32	2.4	52	3.8	32	2.4	14	1.0
ARMSTRONG	1	1.3	3	3.9	0	-	0	-	4	5.1	0	-
BEAVER	3	1.6	7	3.7	6	3.2	1	0.5	2	1.1	5	2.6
BEDFORD	2	4.2	1	2.1	2	4.2	0	-	0	-	1	2.1
BERKS	21	6.4	6	1.8	4	1.2	8	2.4	6	1.8	2	0.6
BLAIR	7	5.3	5	3.8	3	2.3	3	2.3	2	1.5	1	0.8
BRADFORD	2	3.1	0	-	1	1.6	0	-	2	3.1	1	1.6
BUCKS	12	2.2	19	3.5	13	2.4	6	1.1	4	0.7	5	0.9
BUTLER	6	3.9	3	2.0	1	0.7	1	0.7	4	2.6	1	0.7
CAMBRIA	7	4.1	3	1.8	8	4.7	2	1.2	4	2.4	2	1.2
CAMERON	2	31.3	0	-	0	-	0	-	1	15.6	0	-
CARBON	6	10.7	1	1.8	0	-	3	5.3	2	3.6	0	-
CENTRE	4	3.5	2	1.7	3	2.6	2	1.7	1	0.9	1	0.9
CHESTER	7	1.9	8	2.2	4	1.1	4	1.1	4	1.1	4	1.1
CLARION	2	4.8	1	2.4	0	-	1	2.4	1	2.4	1	2.4
CLEARFIELD	6	7.3	2	2.4	1	1.2	3	3.7	2	2.4	3	3.7
CLINTON	0	-	1	2.6	2	5.3	2	5.3	1	2.6	1	2.6
COLUMBIA	0	-	4	6.6	1	1.6	1	1.6	0	-	0	-
CRAWFORD	3	3.5	0	-	3	3.5	4	4.7	2	2.3	3	3.5
CUMBERLAND	3	1.5	14	7.2	4	2.0	1	0.5	2	1.0	2	1.0
DAUPHIN	9	3.7	6	2.5	5	2.1	7	2.9	7	2.9	4	1.7
DELAWARE	21	3.8	24	4.3	6	1.1	10	1.8	10	1.8	10	1.8
ELK	1	2.7	0	-	1	2.7	1	2.7	0	-	1	2.7
ERIE	8	2.9	4	1.4	8	2.9	9	3.2	2	0.7	5	1.8
FAYETTE	8	5.3	7	4.6	2	1.3	3	2.0	3	2.0	4	2.6
FOREST	0	-	0	-	1	21.3	0	-	0	-	0	-
FRANKLIN	5	4.2	4	3.3	5	4.2	6	5.0	1	0.8	1	0.8
FULTON	0	-	0	-	0	-	0	-	1	6.9	0	-
GREENE	2	5.0	1	2.5	2	5.0	3	7.6	1	2.5	2	5.0
HUNTINGDON	3	7.0	2	4.6	2	4.6	0	-	0	-	0	-
INDIANA	1	1.1	3	3.3	1	1.1	4	4.3	0	-	1	1.1
JEFFERSON	4	8.4	0	-	2	4.2	2	4.2	0	-	1	2.1

---

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	BENIGN AND UNSPECIFIED NEOPLASMS		PARKINSON'S DISEASE		HERNIA AND INTESTINAL OBSTRUCTION		ULCERS OF STOMACH AND DUODENUM		ANEMIAS		NUTRITIONAL DEFICIENCIES	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	1	4.9	0	-	0	-	0	-	0	-	0	-
LACKAWANNA	9	4.0	6	2.7	6	2.7	5	2.2	4	1.8	5	2.2
LANCASTER	11	2.7	11	2.7	9	2.2	6	1.4	4	1.0	2	0.5
LAWRENCE	6	5.9	0	-	5	5.0	5	5.0	1	1.0	1	1.0
LEBANON	3	2.6	1	0.9	0	-	3	2.6	3	2.6	1	0.9
LEHIGH	18	6.2	6	2.1	13	4.5	6	2.1	6	2.1	1	0.3
LUZERNE	19	5.7	9	2.7	6	1.8	10	3.0	7	2.1	5	1.5
LYCOMING	4	3.4	4	3.4	3	2.5	0	-	2	1.7	6	5.1
MCKEAN	0	-	0	-	3	6.5	1	2.2	0	-	1	2.2
MERCER	5	4.1	8	6.5	3	2.5	11	9.0	2	1.6	2	1.6
MIFFLIN	0	-	0	-	3	6.4	2	4.3	1	2.1	2	4.3
MONROE	1	1.1	5	5.3	0	-	2	2.1	0	-	0	-
MONTGOMERY	27	3.9	24	3.5	25	3.6	16	2.3	10	1.5	6	0.9
MONTOUR	3	18.2	1	6.1	0	-	1	6.1	0	-	1	6.1
NORTHAMPTON	4	1.6	6	2.5	6	2.5	5	2.1	3	1.2	3	1.2
NORTHUMBERLAND	3	3.0	2	2.0	2	2.0	8	8.1	4	4.1	2	2.0
PERRY	1	2.5	0	-	0	-	2	4.9	0	-	0	-
PHILADELPHIA	52	3.2	49	3.0	59	3.6	33	2.0	38	2.3	43	2.6
PIKE	0	-	2	7.5	0	-	2	7.5	1	3.7	0	-
POTTER	1	5.6	1	5.6	0	-	2	11.1	1	5.6	0	-
SCHUYLKILL	5	3.2	5	3.2	5	3.2	8	5.2	4	2.6	1	0.6
SNYDER	1	2.7	0	-	2	5.5	0	-	2	5.5	0	-
SOMERSET	4	5.0	1	1.2	3	3.7	2	2.5	2	2.5	0	-
SULLIVAN	0	-	1	15.6	0	-	0	-	0	-	0	-
SUSQUEHANNA	1	2.4	2	4.9	0	-	0	-	1	2.4	1	2.4
TIOGA	1	2.5	0	-	0	-	1	2.5	1	2.5	0	-
UNION	1	2.9	0	-	0	-	0	-	0	-	0	-
VENANGO	0	-	1	1.6	4	6.6	1	1.6	2	3.3	1	1.6
WARREN	2	4.4	1	2.2	1	2.2	3	6.6	2	4.4	2	4.4
WASHINGTON	6	2.9	8	3.8	8	3.8	7	3.3	5	2.4	1	0.5
WAYNE	0	-	1	2.5	1	2.5	2	4.9	0	-	2	4.9
WESTMORELAND	12	3.2	7	1.8	8	2.1	10	2.6	8	2.1	3	0.8
WYOMING	2	7.0	0	-	0	-	0	-	0	-	0	-
YORK	9	2.7	10	3.0	6	1.8	7	2.1	7	2.1	8	2.4

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	GALL BLADDER DISORDERS		ALCOHOLISM		DISEASES OF PANCREAS		MULTIPLE SCLEROSIS		EPILEPSY	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	150	1.2	139	1.2	135	1.1	104	0.9	99	0.8
ADAMS	0	-	1	1.3	2	2.7	2	2.7	1	1.3
ALLEGHENY	25	1.8	18	1.3	22	1.6	17	1.3	20	1.5
ARMSTRONG	0	-	0	-	0	-	0	-	0	-
BEAVER	3	1.6	0	-	5	2.6	2	1.1	1	0.5
BEDFORD	0	-	0	-	0	-	0	-	0	-
BERKS	2	0.6	6	1.8	6	1.8	3	0.9	1	0.3
BLAIR	2	1.5	1	0.8	4	3.0	1	0.8	3	2.3
BRADFORD	0	-	0	-	0	-	2	3.1	1	1.6
BUCKS	4	0.7	4	0.7	6	1.1	3	0.6	3	0.6
BUTLER	1	0.7	4	2.6	0	-	0	-	1	0.7
CAMBRIA	6	3.5	1	0.6	6	3.5	0	-	0	-
CAMERON	0	-	0	-	0	-	0	-	0	-
CARBON	1	1.8	1	1.8	2	3.6	0	-	0	-
CENTRE	0	-	1	0.9	0	-	0	-	0	-
CHESTER	2	0.5	2	0.5	3	0.8	4	1.1	1	0.3
CLARION	0	-	1	2.4	1	2.4	0	-	1	2.4
CLEARFIELD	1	1.2	0	-	2	2.4	0	-	1	1.2
CLINTON	0	-	0	-	0	-	1	2.6	0	-
COLUMBIA	2	3.3	2	3.3	1	1.6	2	3.3	0	-
CRAWFORD	0	-	0	-	0	-	0	-	0	-
CUMBERLAND	4	2.0	0	-	0	-	2	1.0	1	0.5
DAUPHIN	5	2.1	1	0.4	3	1.2	1	0.4	3	1.2
DELAWARE	6	1.1	11	2.0	6	1.1	6	1.1	5	0.9
ELK	0	-	0	-	0	-	0	-	0	-
ERIE	1	0.4	0	-	1	0.4	2	0.7	0	-
FAYETTE	0	-	1	0.7	3	2.0	1	0.7	1	0.7
FOREST	1	21.3	0	-	0	-	0	-	0	-
FRANKLIN	1	0.8	0	-	1	0.8	0	-	1	0.8
FULTON	0	-	0	-	1	6.9	0	-	0	-
GREENE	0	-	0	-	2	5.0	0	-	0	-
HUNTINGDON	1	2.3	1	2.3	0	-	0	-	1	2.3
INDIANA	1	1.1	0	-	0	-	1	1.1	1	1.1
JEFFERSON	3	6.3	0	-	1	2.1	0	-	0	-

---

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

COUNTY	GALL BLADDER DISORDERS		ALCOHOLISM		DISEASES OF PANCREAS		MULTIPLE SCLEROSIS		EPILEPSY	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	0	-	0	-	1	4.9	0	-	0	-
LACKAWANNA	6	2.7	3	1.3	1	0.4	1	0.4	2	0.9
LANCASTER	4	1.0	1	0.2	6	1.4	8	1.9	3	0.7
LAWRENCE	3	3.0	0	-	0	-	0	-	0	-
LEBANON	5	4.4	0	-	2	1.7	2	1.7	0	-
LEHIGH	4	1.4	4	1.4	0	-	2	0.7	0	-
LUZERNE	10	3.0	2	0.6	8	2.4	1	0.3	2	0.6
LYCOMING	1	0.8	0	-	0	-	1	0.8	2	1.7
MCKEAN	0	-	0	-	1	2.2	2	4.3	1	2.2
MERCER	0	-	2	1.6	1	0.8	0	-	0	-
MIFFLIN	1	2.1	0	-	0	-	1	2.1	0	-
MONROE	1	1.1	1	1.1	0	-	0	-	0	-
MONTGOMERY	6	0.9	6	0.9	3	0.4	6	0.9	3	0.4
MONTOUR	0	-	0	-	0	-	0	-	0	-
NORTHAMPTON	2	0.8	4	1.6	2	0.8	1	0.4	2	0.8
NORTHUMBERLAND	1	1.0	1	1.0	0	-	1	1.0	1	1.0
PERRY	2	4.9	0	-	2	4.9	0	-	0	-
PHILADELPHIA	12	0.7	49	3.0	17	1.0	13	0.8	22	1.3
PIKE	2	7.5	0	-	0	-	0	-	0	-
POTTER	0	-	0	-	0	-	0	-	0	-
SCHUYLKILL	5	3.2	1	0.6	2	1.3	1	0.6	4	2.6
SNYDER	0	-	0	-	0	-	1	2.7	0	-
SOMERSET	0	-	1	1.2	0	-	1	1.2	0	-
SULLIVAN	0	-	0	-	0	-	0	-	0	-
SUSQUEHANNA	0	-	0	-	0	-	1	2.4	1	2.4
TIOGA	1	2.5	0	-	0	-	0	-	0	-
UNION	0	-	0	-	0	-	0	-	0	-
VENANGO	1	1.6	0	-	0	-	2	3.3	1	1.6
WARREN	0	-	0	-	1	2.2	0	-	0	-
WASHINGTON	4	1.9	0	-	1	0.5	3	1.4	1	0.5
WAYNE	0	-	0	-	1	2.5	1	2.5	0	-
WESTMORELAND	3	0.8	5	1.3	6	1.6	2	0.5	3	0.8
WYOMING	0	-	0	-	0	-	0	-	0	-
YORK	4	1.2	3	0.9	2	0.6	3	0.9	4	1.2

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

COUNTY	VENOUS EMBOLISM & THROMBOSIS		TUBERCULOSIS		MENINGITIS		INFECTIONS OF KIDNEY		ALL OTHER CAUSES	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL COUNTIES	78	0.6	71	0.6	55	0.5	47	0.4	11,531	96.1
ADAMS	0	-	0	-	0	-	0	-	59	79.4
ALLEGHENY	12	0.9	4	0.3	4	0.3	5	0.4	1,395	103.0
ARMSTRONG	2	2.6	0	-	0	-	1	1.3	71	91.1
BEAVER	2	1.1	3	1.6	1	0.5	3	1.6	175	92.2
BEDFORD	0	-	0	-	0	-	1	2.1	27	56.2
BERKS	0	-	1	0.3	0	-	1	0.3	348	105.7
BLAIR	0	-	0	-	1	0.8	1	0.8	138	104.2
BRADFORD	0	-	0	-	0	-	0	-	74	114.7
BUCKS	2	0.4	1	0.2	4	0.7	1	0.2	470	86.5
BUTLER	0	-	0	-	1	0.7	0	-	84	54.8
CAMBRIA	1	0.6	4	2.4	0	-	0	-	134	78.8
CAMERON	0	-	0	-	0	-	0	-	5	78.1
CARBON	2	3.6	0	-	0	-	0	-	44	78.4
CENTRE	0	-	0	-	0	-	0	-	50	43.2
CHESTER	1	0.3	0	-	4	1.1	1	0.3	257	70.1
CLARION	1	2.4	0	-	0	-	0	-	39	93.3
CLEARFIELD	0	-	0	-	0	-	2	2.4	55	67.3
CLINTON	0	-	0	-	0	-	0	-	36	94.7
COLUMBIA	1	1.6	0	-	0	-	0	-	57	93.4
CRAWFORD	0	-	0	-	0	-	0	-	75	87.2
CUMBERLAND	3	1.5	0	-	1	0.5	0	-	129	66.1
DAUPHIN	1	0.4	3	1.2	2	0.8	0	-	183	76.0
DELAWARE	5	0.9	1	0.2	3	0.5	2	0.4	594	106.7
ELK	0	-	0	-	0	-	0	-	35	95.4
ERIE	3	1.1	2	0.7	1	0.4	1	0.4	225	81.2
FAYETTE	0	-	3	2.0	1	0.7	0	-	137	90.0
FOREST	0	-	0	-	0	-	0	-	2	42.6
FRANKLIN	0	-	0	-	0	-	0	-	96	79.8
FULTON	0	-	0	-	0	-	0	-	11	76.4
GREENE	0	-	0	-	0	-	2	5.0	34	85.6
HUNTINGDON	1	2.3	1	2.3	0	-	0	-	21	48.7
INDIANA	0	-	0	-	0	-	0	-	57	62.0
JEFFERSON	0	-	0	-	0	-	0	-	38	79.7

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

(CONTINUED)

TABLE C-29 (CONTINUED)
SELECTED CAUSES OF DEATH BY COUNTY, NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	VENOUS EMBOLISM & THROMBOSIS		TUBERCULOSIS		MENINGITIS		INFECTIONS OF KIDNEY		ALL OTHER CAUSES	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
JUNIATA	1	4.9	1	4.9	0	-	0	-	22	108.4
LACKAWANNA	2	0.9	1	0.4	2	0.9	1	0.4	217	97.6
LANCASTER	2	0.5	0	-	4	1.0	0	-	264	63.8
LAWRENCE	0	-	0	-	0	-	2	2.0	80	79.3
LEBANON	1	0.9	1	0.9	2	1.7	0	-	74	64.7
LEHIGH	3	1.0	1	0.3	0	-	0	-	203	70.3
LUZERNE	2	0.6	6	1.8	0	-	5	1.5	317	95.6
LYCOMING	0	-	0	-	0	-	0	-	78	65.9
MCKEAN	0	-	0	-	0	-	1	2.2	40	86.6
MERCER	1	0.8	0	-	0	-	1	0.8	117	95.6
MIFFLIN	0	-	0	-	1	2.1	0	-	41	87.8
MONROE	2	2.1	0	-	0	-	1	1.1	64	68.4
MONTGOMERY	4	0.6	5	0.7	1	0.1	4	0.6	579	84.2
MONTOUR	0	-	0	-	0	-	1	6.1	23	139.4
NORTHAMPTON	2	0.8	1	0.4	3	1.2	1	0.4	169	69.4
NORTHUMBERLAND	2	2.0	0	-	0	-	1	1.0	71	72.2
PERRY	0	-	0	-	0	-	0	-	20	49.0
PHILADELPHIA	5	0.3	27	1.6	12	0.7	4	0.2	2,805	170.3
PIKE	0	-	0	-	0	-	0	-	21	78.4
POTTER	0	-	0	-	0	-	0	-	11	61.1
SCHUYLKILL	7	4.5	0	-	0	-	1	0.6	146	94.7
SNYDER	0	-	1	2.7	0	-	0	-	20	54.9
SOMERSET	0	-	0	-	0	-	0	-	59	73.3
SULLIVAN	1	15.6	0	-	0	-	0	-	5	78.1
SUSQUEHANNA	0	-	0	-	0	-	0	-	22	53.8
TIOGA	0	-	0	-	2	5.0	1	2.5	27	67.0
UNION	2	5.7	0	-	0	-	0	-	25	71.6
VENANGO	1	1.6	1	1.6	1	1.6	1	1.6	53	86.9
WARREN	0	-	0	-	0	-	0	-	48	105.3
WASHINGTON	1	0.5	1	0.5	1	0.5	1	0.5	173	82.7
WAYNE	0	-	0	-	0	-	0	-	47	116.1
WESTMORELAND	1	0.3	1	0.3	3	0.8	0	-	285	75.3
WYOMING	0	-	0	-	0	-	0	-	15	52.8
YORK	1	0.3	1	0.3	0	-	0	-	235	69.9

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH COUNTY.

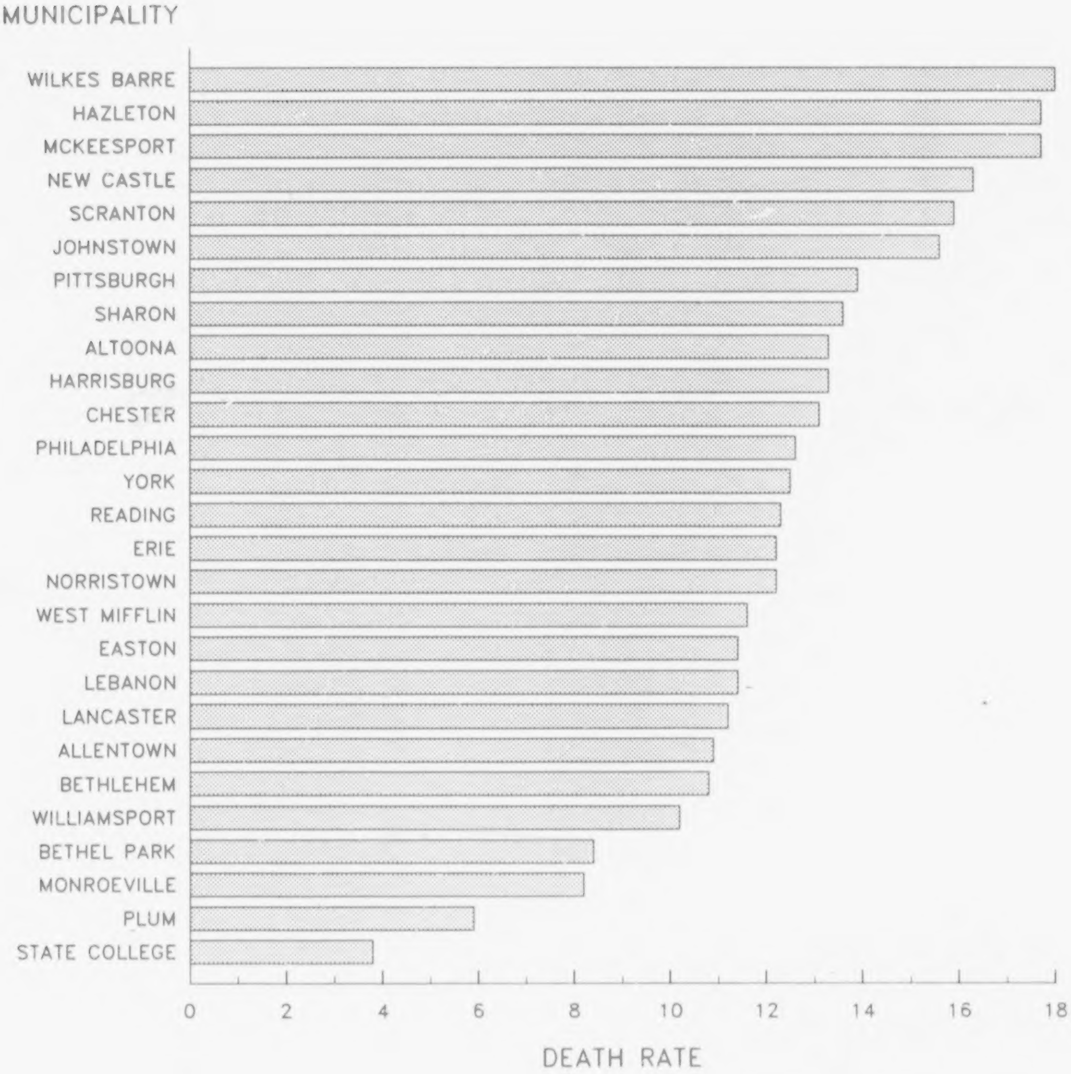
TABLE C-30
RESIDENT LIVE BIRTHS, ALL DEATHS, INFANT, NEONATAL, AND FETAL DEATHS FOR SELECTED MUNICIPALITIES, NUMBER AND RATE*: PENNSYLVANIA, 1988

	LIVE BIRTHS		ALL DEATHS		INFANT DEATHS		NEONATAL DEATHS		FETAL DEATHS	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER**	RATE
STATE TOTAL	165,169	13.8	125,337	10.4	1,615	9.8	1,092	6.6	1,913	11.4
ALLENTOWN	1,807	17.2	1,144	10.9	18	10.0	15	8.3	22	12.0
ALTOONA	633	12.0	704	13.3	5	7.9	2	3.2	10	15.6
BETHEL PARK	446	12.9	288	8.4	4	9.0	1	2.2	4	8.9
BETHLEHEM	925	12.8	780	10.8	8	8.6	6	6.5	7	7.5
CHESTER	1,037	24.4	558	13.1	18	17.4	11	10.6	27	25.4
EASTON	498	18.3	310	11.4	4	8.0	3	6.0	3	6.0
ERIE	2,133	18.9	1,374	12.2	27	12.7	18	8.4	29	13.4
HARRISBURG	1,181	22.8	687	13.3	18	15.2	12	10.2	19	15.8
HAZLETON	281	11.1	447	17.7	4	14.2	3	10.7	3	10.6
JOHNSTOWN	392	12.9	475	15.6	5	12.8	2	5.1	2	5.1
LANCASTER	1,206	20.4	662	11.2	16	13.3	12	10.0	17	13.9
LEBANON	410	15.3	307	11.4	4	9.8	2	4.9	6	14.4
MCKEESPORT	383	14.6	466	17.7	5	13.1	1	2.6	3	7.8
MONROEVILLE	339	11.5	241	8.2	4	11.8	4	11.8	2	5.9
NEW CASTLE	433	14.5	488	16.3	7	16.2	5	11.5	1	2.3
NORRISTOWN	752	22.5	406	12.2	14	18.6	11	14.6	11	14.4
PHILADELPHIA	28,940	17.6	20,707	12.6	497	17.2	328	11.3	451	15.3
PITTSBURGH	5,222	13.9	5,214	13.9	77	14.7	54	10.3	103	19.3
PLUM	327	13.2	147	5.9	1	3.1	0	-	2	6.1
READING	1,521	19.9	941	12.3	21	13.8	14	9.2	24	15.5
SCRANTON	1,082	13.3	1,288	15.9	12	11.1	9	8.3	7	6.4
SHARON	254	16.3	212	13.6	3	11.8	2	7.9	3	11.7
STATE COLLEGE	202	6.1	125	3.8	4	19.8	3	14.9	3	14.6
WEST MIFFLIN	276	11.4	281	11.6	6	21.7	5	18.1	5	17.8
WILKES BARRE	653	13.9	846	18.0	4	6.1	3	4.6	8	12.1
WILLIAMSPORT	589	18.5	324	10.2	8	13.6	7	11.9	4	6.7
YORK	923	20.3	569	12.5	13	14.1	9	9.8	12	12.8
ALL OTHER AREAS	112,324	12.7	85,346	9.7	808	7.2	550	4.9	1,125	9.9

* BIRTH AND DEATH CRUDE RATES PER 1,000 ESTIMATED 1988 POPULATION.
INFANT AND NEONATAL DEATH RATES PER 1,000 LIVE BIRTHS.
FETAL DEATH RATES PER 1,000 DELIVERIES (LIVE BIRTHS PLUS FETAL DEATHS).

**FETAL DEATHS EXCLUDE INDUCED TERMINATIONS.

FIGURE C-29
RESIDENT CRUDE DEATH RATES BY SELECTED MUNICIPALITIES
PENNSYLVANIA, 1988



NOTE: RATE PER 1,000 POPULATION, 1988. SEE TABLE C-30 FOR CORRESPONDING DATA.

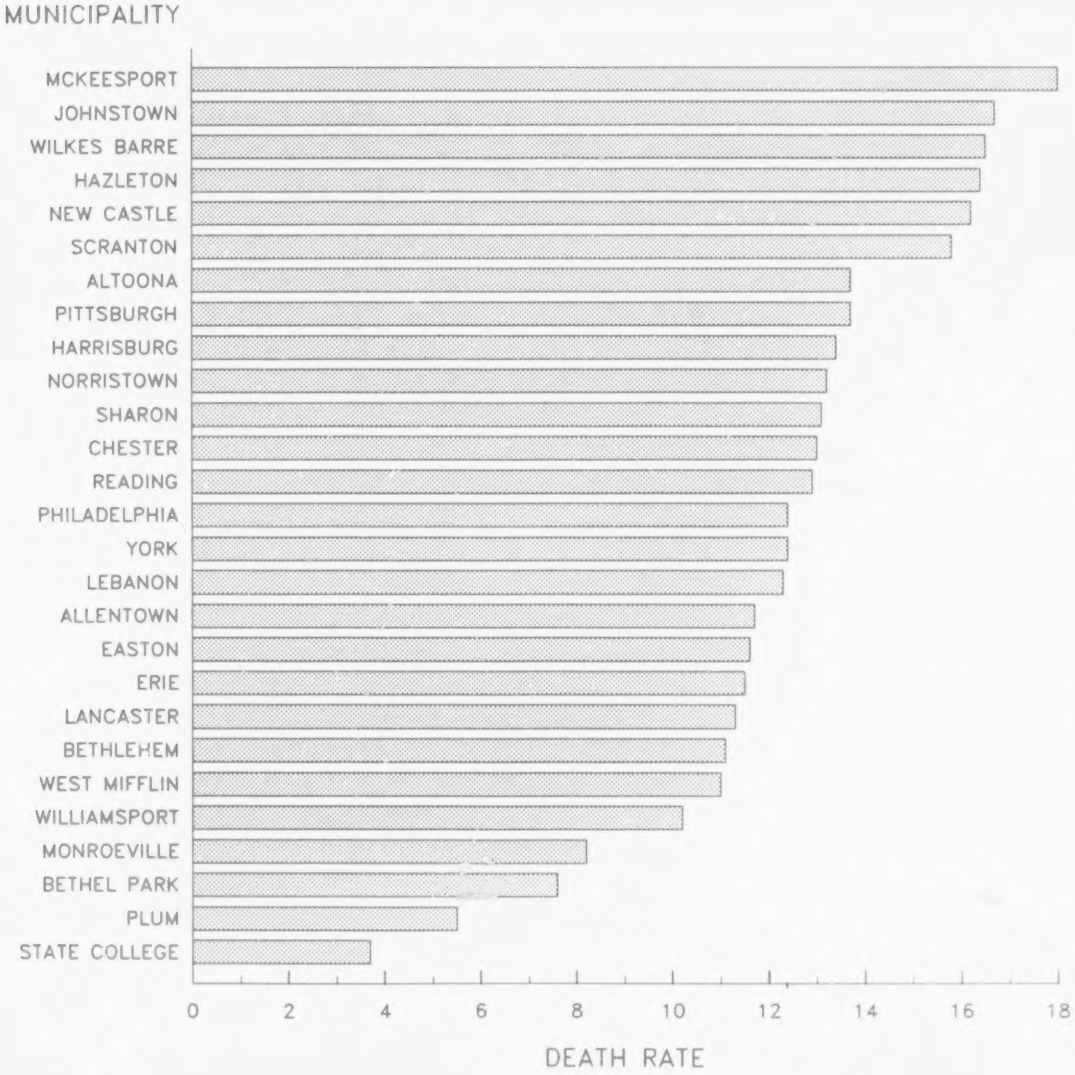
TABLE C-31
RESIDENT DEATHS, INFANT, AND NEONATAL DEATHS FOR SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988

	ALL DEATHS 1984-1988		INFANT DEATHS 1984-1988		NEONATAL DEATHS 1984-1988	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	618,766	10.4	8,265	10.3	5,670	7.0
ALLENTOWN	6,105	11.7	86	10.2	60	7.1
ALTOONA	3,659	13.7	39	11.9	27	8.2
BETHEL PARK	1,306	7.6	11	5.2	7	3.3
BETHLEHEM	3,939	11.1	44	10.0	32	7.3
CHESTER	2,819	13.0	82	16.5	62	12.5
EASTON	1,543	11.6	23	10.2	17	7.5
ERIE	6,585	11.5	124	11.5	89	8.2
HARRISBURG	3,462	13.4	89	15.6	64	11.2
HAZLETON	2,092	16.4	21	14.2	15	10.2
JOHNSTOWN	2,663	16.7	26	13.1	14	7.0
LANCASTER	3,259	11.3	69	12.3	49	8.7
LEBANON	1,629	12.3	20	10.1	12	6.0
MCKEESPORT	2,463	18.0	29	14.7	18	9.1
MONROEVILLE	1,220	8.2	22	13.4	17	10.4
NEW CASTLE	2,492	16.2	30	13.5	20	9.0
NORRISTOWN	2,231	13.2	59	16.1	46	12.6
PHILADELPHIA	102,087	12.4	2,229	16.2	1,480	10.8
PITTSBURGH	26,570	13.7	424	15.7	312	11.5
PLUM	690	5.5	16	8.5	13	6.9
READING	4,991	12.9	96	13.4	68	9.5
SCRANTON	6,494	15.8	63	11.7	43	8.0
SHARON	1,060	13.1	7	5.8	6	5.0
STATE COLLEGE	617	3.7	10	10.9	7	7.6
WEST MIFFLIN	1,354	11.0	20	14.9	19	14.1
WILKES BARRE	3,968	16.5	27	8.4	17	5.3
WILLIAMSPORT	1,629	10.2	28	10.7	18	6.9
YORK	2,766	12.4	58	14.0	41	9.9
ALL OTHER AREAS	419,073	9.6	4,513	8.2	3,097	5.6

* CRUDE DEATH RATE PER 1,000 POPULATION FOR EACH SPECIFIED AREA, 1984-1988.
INFANT AND NEONATAL DEATH RATES PER 1,000 LIVE BIRTHS FOR EACH SPECIFIED AREA, 1984-1988.

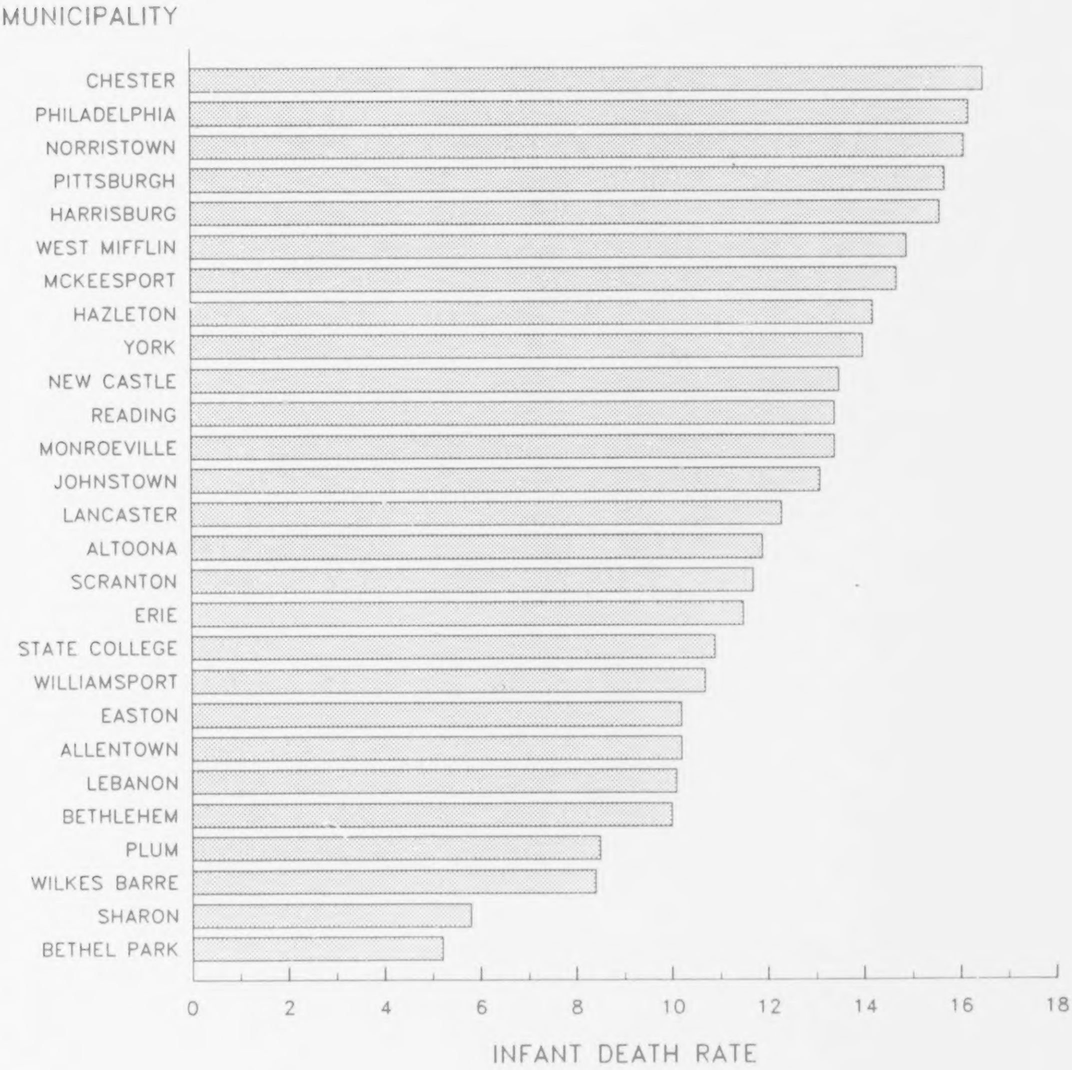
NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

FIGURE C-30
RESIDENT CRUDE DEATH RATES BY SELECTED MUNICIPALITIES
PENNSYLVANIA, FIVE YEAR SUMMARY, 1984-1988



NOTE: RATE PER 1,000 POPULATION, 1984-1988. SEE TABLE C-31 FOR CORRESPONDING DATA.

FIGURE C–31
RESIDENT INFANT DEATH RATES BY SELECTED MUNICIPALITIES
PENNSYLVANIA, FIVE YEAR SUMMARY, 1984–1988



NOTE: RATE PER 1,000 LIVE BIRTHS, 1984–1988. SEE TABLE C–31 FOR CORRESPONDING DATA.

TABLE C-32
RESIDENT DEATHS BY AGE GROUP AND SELECTED MUNICIPALITIES
PENNSYLVANIA, 1988

		AGE AT DEATH (IN YEARS)											
MUNICIPALITY	TOTAL DEATHS	UNDER 5	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & OVER*
STATE TOTAL	125,337	1,926	186	165	588	941	2,387	3,261	5,643	15,573	30,813	36,925	26,929
ALLENTOWN	1,144	20	5	0	3	6	27	37	50	108	274	337	277
ALTOONA	704	6	0	0	5	5	18	21	22	83	195	202	147
BETHEL PARK	288	4	0	1	0	2	7	8	14	38	65	84	65
BETHLEHEM	780	10	0	2	2	4	16	12	36	83	205	233	177
CHESTER	558	21	1	2	1	6	15	32	38	100	132	126	84
EASTON	310	4	0	0	2	2	6	8	6	37	69	91	85
ERIE	1,374	33	5	3	11	10	24	25	53	160	344	396	310
HARRISBURG	687	26	2	3	3	5	14	32	41	97	160	172	132
HAZLETON	447	4	0	0	2	2	7	5	16	41	117	165	88
JOHNSTOWN	475	6	0	0	1	1	8	9	23	69	143	137	78
LANCASTER	662	17	0	0	2	2	17	26	18	74	145	196	165
LEBANON	307	5	0	0	0	4	7	7	16	36	84	87	61
MCKEESPORT	466	6	1	1	2	3	8	11	19	59	118	140	98
MONROEVILLE	241	4	1	0	2	3	2	3	12	49	53	72	40
NEW CASTLE	488	10	0	1	3	2	4	7	24	48	125	139	122
NORRISTOWN	406	15	0	1	0	2	23	15	23	57	95	114	61
PHILADELPHIA	20,707	579	42	32	114	203	629	792	1,304	2,877	4,937	5,542	3,656
PITTSBURGH	5,214	92	4	4	18	25	91	156	232	709	1,300	1,568	1,015
PLUM	147	1	0	1	0	3	3	4	7	27	37	40	24
READING	941	24	1	2	5	7	20	35	33	102	223	282	207
SCRANTON	1,288	14	1	0	3	6	17	28	52	151	310	425	281
SHARON	212	3	0	1	4	0	0	5	13	23	59	59	45
STATE COLLEGE	125	4	0	0	0	0	2	3	1	14	24	42	35
WEST MIFFLIN	281	7	0	0	0	0	4	4	10	50	101	77	28
WILKES BARRE	846	5	0	2	1	4	10	18	43	98	199	278	188
WILLIAMSPORT	324	10	2	1	1	2	7	5	17	41	77	99	62
YORK	569	15	3	1	6	4	12	23	33	71	119	158	124
ALL OTHER AREAS	85,346	981	118	107	397	628	1,389	1,930	3,487	10,271	21,100	25,664	19,274

* UNKNOWN AGE INCLUDED IN THE 85 & OVER AGE GROUP.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

TABLE C-33
RESIDENT DEATHS BY SEX AND RACE FOR SELECTED MUNICIPALITIES
PENNSYLVANIA, 1988

		WHITE *			ALL OTHER		
COUNTY	TOTAL DEATHS	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
STATE TOTAL	125,337	113,214	56,718	56,496	12,123	6,508	5,615
ALLENTOWN	1,144	1,112	560	552	32	17	15
ALTOONA	704	688	354	334	16	8	8
BETHEL PARK	288	284	143	141	4	2	2
BETHLEHEM	780	754	391	363	26	16	10
CHESTER	558	261	131	130	297	150	147
EASTON	310	296	141	155	14	9	5
ERIE	1,374	1,286	619	667	88	48	40
HARRISBURG	687	423	188	235	264	134	130
HAZLETON	447	447	216	231	0	0	0
JOHNSTOWN	475	449	259	190	26	13	13
LANCASTER	662	614	289	325	48	31	17
LEBANON	307	305	160	145	2	1	1
MCKEESPORT	466	418	212	206	48	27	21
MONROEVILLE	241	231	115	116	10	5	5
NEW CASTLE	488	460	225	235	28	12	16
NORRISTOWN	406	335	175	160	71	41	30
PHILADELPHIA	20,707	12,925	6,366	6,559	7,782	4,170	3,612
PITTSBURGH	5,214	3,963	1,904	2,059	1,251	656	595
PLUM	147	146	77	69	1	1	0
READING	941	877	428	449	64	37	27
SCRANTON	1,288	1,278	604	674	10	6	4
SHARON	212	203	94	109	9	6	3
STATE COLLEGE	125	123	53	70	2	2	0
WEST MIFFLIN	281	265	147	118	16	9	7
WILKES BARRE	846	837	351	486	9	3	6
WILLIAMSPORT	324	307	171	136	17	9	8
YORK	569	492	235	257	77	42	35
ALL OTHER AREAS	85,346	83,435	42,110	41,325	1,911	1,053	858

* UNKNOWN RACE INCLUDED IN THE WHITE CATEGORY.
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

TABLE C-34
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

			HEART DISEASE							
	ALL CAUSES		TOTAL HEART DISEASE		RHEUMATIC HEART DISEASE		WITH HYPERTENSION		ISCHEMIC EXCL. ACUTE MYOCARDIAL INFARCT.	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	125,337	1044.3	47,810	398.3	468	3.9	1,055	8.8	14,104	117.5
ALLENTOWN	1,144	1087.3	457	434.4	5	4.8	8	7.6	132	125.5
ALTOONA	704	1333.6	289	547.5	5	9.5	6	11.4	82	155.3
BETHEL PARK	288	835.5	102	295.9	2	5.8	1	2.9	42	121.8
BETHLEHEM	780	1076.2	303	418.0	2	2.8	5	6.9	85	117.3
CHESTER	558	1310.8	171	401.7	0	-	15	35.2	41	96.3
EASTON	310	1136.8	139	509.7	1	3.7	3	11.0	47	172.4
ERIE	1,374	1218.1	504	446.8	7	6.2	11	9.8	143	126.8
HARRISBURG	687	1328.0	254	491.0	5	9.7	7	13.5	58	112.1
HAZLETON	447	1767.5	199	786.9	2	7.9	2	7.9	55	217.5
JOHNSTOWN	475	1562.0	201	661.0	6	19.7	6	19.7	59	194.0
LANCASTER	662	1122.4	254	430.7	2	3.4	7	11.9	79	133.9
LEBANON	307	1143.0	119	443.0	2	7.4	3	11.2	35	130.3
MCKEESPORT	466	1771.9	186	707.2	2	7.6	1	3.8	67	254.8
MONROEVILLE	241	816.7	88	298.2	3	10.2	1	3.4	24	81.3
NEW CASTLE	488	1633.7	207	693.0	2	6.7	6	20.1	94	314.7
NORRISTOWN	406	1216.7	141	422.5	1	3.0	8	24.0	39	116.9
PHILADELPHIA	20,707	1257.3	6,702	406.9	49	3.0	183	11.1	1,527	92.7
PITTSBURGH	5,214	1389.5	1,989	530.1	26	6.9	59	15.7	619	165.0
PLUM	147	593.7	45	181.7	1	4.0	0	-	14	56.5
READING	941	1229.3	330	431.1	2	2.6	7	9.1	106	138.5
SCRANTON	1,288	1585.2	557	685.5	9	11.1	19	23.4	154	189.5
SHARON	212	1362.5	83	533.4	0	-	0	-	22	141.4
STATE COLLEGE	125	380.1	54	164.2	1	3.0	0	-	13	39.5
WEST MIFFLIN	281	1157.8	119	490.3	1	4.1	2	8.2	39	160.7
WILKES BARRE	846	1799.6	378	804.1	4	8.5	6	12.8	86	182.9
WILLIAMSPORT	324	1017.9	120	377.0	0	-	1	3.1	27	84.8
YORK	569	1254.1	225	495.9	2	4.4	5	11.0	49	108.0
ALL OTHER AREAS	85,346	965.4	33,594	380.0	326	3.7	683	7.7	10,366	117.3

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	HEART DISEASE				MALIGNANT NEOPLASMS							
	ACUTE MYOCARDIAL INFARCTION		OTHER HEART DISEASE		TOTAL MALIGNANT NEOPLASMS		BUCCAL CAVITY AND PHARYNX		DIGESTIVE ORGANS AND PERITONEUM		RESPIRATORY SYSTEM	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	15,082	125.7	17,101	142.5	28,316	235.9	393	3.3	7,078	59.0	7,632	63.6
ALLENTOWN	127	120.7	185	175.8	254	241.4	2	1.9	49	46.6	69	65.6
ALTOONA	116	219.7	80	151.5	166	314.5	0	-	47	89.0	55	104.2
BETHEL PARK	33	95.7	24	69.6	77	223.4	1	2.9	11	31.9	27	78.3
BETHLEHEM	73	100.7	138	190.4	183	252.5	5	6.9	51	70.4	42	57.9
CHESTER	49	115.1	66	155.0	127	298.3	2	4.7	26	61.1	46	108.1
EASTON	29	106.3	59	216.4	65	238.4	2	7.3	13	47.7	16	58.7
ERIE	209	185.3	134	118.8	286	253.5	6	5.3	79	70.0	65	57.6
HARRISBURG	48	92.8	136	262.9	141	272.6	2	3.9	34	65.7	34	65.7
HAZLETON	58	229.3	82	324.2	98	387.5	2	7.9	35	138.4	22	87.0
JOHNSTOWN	82	269.6	48	157.8	100	328.8	2	6.6	24	78.9	33	108.5
LANCASTER	58	98.3	108	183.1	139	235.7	2	3.4	31	52.6	42	71.2
LEBANON	30	111.7	49	182.4	72	268.1	1	3.7	20	74.5	21	78.2
MCKEESPORT	48	182.5	68	258.6	88	334.6	0	-	21	79.8	29	110.3
MONROEVILLE	32	108.4	28	94.9	63	213.5	1	3.4	16	54.2	18	61.0
NEW CASTLE	63	210.9	42	140.6	91	304.7	3	10.0	20	67.0	30	100.4
NORRISTOWN	43	128.9	50	149.8	97	290.7	0	-	24	71.9	39	116.9
PHILADELPHIA	1,978	120.1	2,965	180.0	4,604	279.5	88	5.3	1,151	69.9	1,361	82.6
PITTSBURGH	528	140.7	757	201.7	1,190	317.1	14	3.7	277	73.8	376	100.2
PLUM	15	60.6	15	60.6	46	185.8	0	-	13	52.5	12	48.5
READING	92	120.2	123	160.7	201	262.6	2	2.6	57	74.5	47	61.4
SCRANTON	125	153.8	250	307.7	296	364.3	5	6.2	73	89.8	81	99.7
SHARON	41	263.5	20	128.5	44	282.8	0	-	15	96.4	14	90.0
STATE COLLEGE	14	42.6	26	79.1	32	97.3	2	6.1	9	27.4	4	12.2
WEST MIFFLIN	40	164.8	37	152.5	70	288.4	2	8.2	13	53.6	22	90.6
WILKES BARRE	101	214.8	181	385.0	157	334.0	3	6.4	42	89.3	34	72.3
WILLIAMSPORT	37	116.2	55	172.8	81	254.5	1	3.1	18	56.6	32	100.5
YORK	91	200.6	78	171.9	130	286.5	1	2.2	38	83.8	32	70.5
ALL OTHER AREAS	10,922	123.5	11,297	127.8	19,418	219.6	244	2.8	4,871	55.1	5,029	56.9

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	MALIGNANT NEOPLASMS									
	BONE, TISSUE, SKIN AND BREAST		GENITOURINARY SYSTEM		OTHER SITES		LEUKEMIA		OTHER LYMPHATIC, HEMATOPOIETIC	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	3,199	26.7	4,150	34.6	3,197	26.6	1,020	8.5	1,647	13.7
ALLENTOWN	27	25.7	38	36.1	45	42.8	11	10.5	13	12.4
ALTOONA	11	20.8	26	49.3	13	24.6	5	9.5	9	17.0
BETHEL PARK	9	26.1	13	37.7	8	23.2	2	5.8	6	17.4
BETHLEHEM	22	30.4	21	29.0	17	23.5	12	16.6	13	17.9
CHESTER	12	28.2	14	32.9	17	39.9	3	7.0	7	16.4
EASTON	9	33.0	11	40.3	7	25.7	3	11.0	4	14.7
ERIE	32	28.4	42	37.2	25	22.2	17	15.1	20	17.7
HARRISBURG	12	23.2	23	44.5	21	40.6	2	3.9	13	25.1
HAZLETON	6	23.7	16	63.3	10	39.5	3	11.9	4	15.8
JOHNSTOWN	8	26.3	17	55.9	10	32.9	1	3.3	5	16.4
LANCASTER	16	27.1	17	28.8	16	27.1	2	3.4	13	22.0
LEBANON	7	26.1	8	29.8	8	29.8	4	14.9	3	11.2
MCKEESPORT	9	34.2	17	64.6	7	26.6	2	7.6	3	11.4
MONROEVILLE	7	23.7	9	30.5	7	23.7	1	3.4	4	13.6
NEW CASTLE	9	30.1	10	33.5	7	23.4	5	16.7	7	23.4
NORRISTOWN	10	30.0	10	30.0	8	24.0	2	6.0	4	12.0
PHILADELPHIA	498	30.2	614	37.3	519	31.5	130	7.9	243	14.8
PITTSBURGH	118	31.4	176	46.9	126	33.6	36	9.6	67	17.9
PLUM	3	12.1	8	32.3	6	24.2	0	-	4	16.2
READING	17	22.2	33	43.1	31	40.5	3	3.9	11	14.4
SCRANTON	27	33.2	46	56.6	36	44.3	11	13.5	17	20.9
SHARON	3	19.3	2	12.9	3	19.3	2	12.9	5	32.1
STATE COLLEGE	3	9.1	7	21.3	3	9.1	1	3.0	3	9.1
WEST MIFFLIN	12	49.4	10	41.2	6	24.7	4	16.5	1	4.1
WILKES BARRE	23	48.9	25	53.2	19	40.4	4	8.5	7	14.9
WILLIAMSPORT	4	12.6	12	37.7	7	22.0	7	22.0	0	-
YORK	14	30.9	21	46.3	13	28.7	5	11.0	6	13.2
ALL OTHER AREAS	2,271	25.7	2,904	32.8	2,202	24.9	742	8.4	1,155	13.1

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	CEREBROVASCULAR DISEASE		UNINTENTIONAL INJURIES				CHRONIC OBSTRUCTIVE PULMONARY DIS		PNEUMONIA & INFLUENZA		DIABETES MELLITUS	
			OTHER		MOTOR VEHICLE							
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	8,036	67.0	2,479	20.7	1,958	16.3	4,303	35.9	3,990	33.2	2,614	21.8
ALLENTOWN	71	67.5	17	16.2	14	13.3	45	42.8	31	29.5	26	24.7
ALTOONA	45	85.2	17	32.2	14	26.5	28	53.0	18	34.1	12	22.7
BETHEL PARK	27	78.3	1	2.9	2	5.8	9	26.1	7	20.3	4	11.6
BETHLEHEM	45	62.1	16	22.1	13	17.9	22	30.4	18	24.8	21	29.0
CHESTER	41	96.3	8	18.8	6	14.1	21	49.3	14	32.9	12	28.2
EASTON	11	40.3	5	18.3	1	3.7	11	40.3	21	77.0	6	22.0
ERIE	118	104.6	33	29.3	20	17.7	36	31.9	69	61.2	30	26.6
HARRISBURG	52	100.5	14	27.1	13	25.1	19	36.7	18	34.8	24	46.4
HAZLETON	43	170.0	4	15.8	6	23.7	16	63.3	21	83.0	4	15.8
JOHNSTOWN	33	108.5	5	16.4	13	42.7	15	49.3	9	29.6	15	49.3
LANCASTER	39	66.1	17	28.8	8	13.6	22	37.3	24	40.7	26	44.1
LEBANON	16	59.6	7	26.1	8	29.8	22	81.9	12	44.7	9	33.5
MCKEESPORT	30	114.1	7	26.6	3	11.4	18	68.4	11	41.8	16	60.8
MONROEVILLE	15	50.8	8	27.1	5	16.9	12	40.7	4	13.6	3	10.2
NEW CASTLE	50	167.4	12	40.2	5	16.7	12	40.2	15	50.2	13	43.5
NORRISTOWN	25	74.9	14	42.0	7	21.0	13	39.0	7	21.0	7	21.0
PHILADELPHIA	1,198	72.7	612	37.2	163	9.9	563	34.2	596	36.2	371	22.5
PITTSBURGH	317	84.5	93	24.8	34	9.1	187	49.8	172	45.8	105	28.0
PLUM	7	28.3	3	12.1	4	16.2	5	20.2	3	12.1	2	8.1
READING	68	88.8	23	30.0	16	20.9	42	54.9	33	43.1	20	26.1
SCRANTON	73	89.8	18	22.2	10	12.3	45	55.4	35	43.1	23	28.3
SHARON	14	90.0	3	19.3	3	19.3	8	51.4	7	45.0	3	19.3
STATE COLLEGE	9	27.4	2	6.1	0	-	3	9.1	3	9.1	3	9.1
WEST MIFFLIN	13	53.6	3	12.4	1	4.1	5	20.6	6	24.7	6	24.7
WILKES BARRE	47	100.0	12	25.5	6	12.8	22	46.8	27	57.4	19	40.4
WILLIAMSPORT	13	40.8	9	28.3	5	15.7	18	56.6	7	22.0	9	28.3
YORK	35	77.1	21	46.3	11	24.2	20	44.1	11	24.2	6	13.2
ALL OTHER AREAS	5,581	63.1	1,495	16.9	1,567	17.7	3,064	34.7	2,791	31.6	1,819	20.6

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	SEPTICEMIA		NEPHRITIS AND NEPHROSIS		SUICIDE		LIVER DISEASE AND CIRRHOSIS		ATHERO-SCLEROSIS		AORTIC ANEURYSM	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	1,894	15.8	1,605	13.4	1,479	12.3	1,226	10.2	1,038	8.6	942	7.8
ALLENTOWN	19	18.1	10	9.5	22	20.9	15	14.3	10	9.5	11	10.5
ALTOONA	7	13.3	7	13.3	7	13.3	7	13.3	2	3.8	4	7.6
BETHEL PARK	2	5.8	4	11.6	5	14.5	6	17.4	3	8.7	3	8.7
BETHLEHEM	12	16.6	11	15.2	11	15.2	6	8.3	6	8.3	15	20.7
CHESTER	11	25.8	8	18.8	5	11.7	12	28.2	1	2.3	0	-
EASTON	3	11.0	10	36.7	2	7.3	4	14.7	0	-	0	-
ERIE	20	17.7	13	11.5	10	8.9	19	16.8	10	8.9	13	11.5
HARRISBURG	15	29.0	8	15.5	3	5.8	11	21.3	8	15.5	5	9.7
HAZLETON	3	11.9	0	-	6	23.7	7	27.7	1	4.0	1	4.0
JOHNSTOWN	5	16.4	7	23.0	10	32.9	7	23.0	5	16.4	2	6.6
LANCASTER	5	8.5	12	20.3	9	15.3	5	8.5	4	6.8	5	8.5
LEBANON	1	3.7	3	11.2	4	14.9	1	3.7	2	7.4	5	18.6
MCKEESPORT	12	45.6	12	45.6	2	7.6	2	7.6	1	3.8	6	22.8
MONROEVILLE	2	6.8	5	16.9	1	3.4	4	13.6	1	3.4	0	-
NEW CASTLE	5	16.7	6	20.1	3	10.0	6	20.1	5	16.7	1	3.3
NORRISTOWN	2	6.0	3	9.0	3	9.0	5	15.0	2	6.0	4	12.0
PHILADELPHIA	646	39.2	301	18.3	208	12.6	248	15.1	96	5.8	94	5.7
PITTSBURGH	78	20.8	76	20.3	46	12.3	80	21.3	25	6.7	40	10.7
PLUM	1	4.0	3	12.1	4	16.2	4	16.2	3	12.1	2	8.1
READING	7	9.1	9	11.8	21	27.4	10	13.1	6	7.8	6	7.8
SCRANTON	11	13.5	13	16.0	9	11.1	19	23.4	12	14.8	6	7.4
SHARON	3	19.3	4	25.7	2	12.9	5	32.1	1	6.4	2	12.9
STATE COLLEGE	0	-	3	9.1	1	3.0	1	3.0	0	-	1	3.0
WEST MIFFLIN	5	20.6	5	20.6	5	20.6	5	20.6	1	4.1	2	8.2
WILKES BARRE	9	19.1	7	14.9	9	19.1	9	19.1	7	14.9	4	8.5
WILLIAMSPORT	2	6.3	6	18.9	5	15.7	3	9.4	2	6.3	2	6.3
YORK	6	13.2	3	6.6	6	13.2	5	11.0	3	6.6	4	8.8
ALL OTHER AREAS	1,002	11.3	1,056	11.9	1,060	12.0	720	8.1	821	9.3	704	8.0

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

MUNICIPALITY	PERINATAL CONDITIONS		HOMICIDE AND LEGAL INTERV		CONGENITAL ANOMALIES		PNEUMOCONIOSIS		HIV INFECTION		HYPERTENSION	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	841	7.0	666	5.5	558	4.6	471	3.9	466	3.9	445	3.7
ALLENTOWN	13	12.4	12	11.4	2	1.9	0	-	9	8.6	5	4.8
ALTOONA	2	3.8	1	1.9	1	1.9	0	-	2	3.8	4	7.6
BETHEL PARK	0	-	0	-	3	8.7	0	-	1	2.9	1	2.9
BETHLEHEM	6	8.3	1	1.4	4	5.5	0	-	4	5.5	5	6.9
CHESTER	11	25.8	8	18.8	3	7.0	3	7.0	5	11.7	4	9.4
EASTON	2	7.3	0	-	2	7.3	0	-	1	3.7	2	7.3
ERIE	13	11.5	3	2.7	11	9.8	0	-	3	2.7	7	6.2
HARRISBURG	11	21.3	9	17.4	4	7.7	0	-	4	7.7	5	9.7
HAZLETON	2	7.9	2	7.9	1	4.0	8	31.6	0	-	2	7.9
JOHNSTOWN	2	6.6	1	3.3	2	6.6	0	-	1	3.3	3	9.9
LANCASTER	6	10.2	4	6.8	4	6.8	0	-	9	15.3	4	6.8
LEBANON	1	3.7	1	3.7	1	3.7	0	-	0	-	0	-
MCKEESPORT	1	3.8	2	7.6	1	3.8	0	-	3	11.4	4	15.2
MONROEVILLE	2	6.8	1	3.4	2	6.8	0	-	0	-	0	-
NEW CASTLE	4	13.4	2	6.7	5	16.7	0	-	1	3.3	2	6.7
NORRISTOWN	9	27.0	5	15.0	2	6.0	0	-	2	6.0	0	-
PHILADELPHIA	257	15.6	391	23.7	116	7.0	8	0.5	219	13.3	74	4.5
PITTSBURGH	46	12.3	23	6.1	17	4.5	2	0.5	28	7.5	17	4.5
PLUM	0	-	0	-	1	4.0	0	-	0	-	0	-
READING	10	13.1	4	5.2	7	9.1	0	-	7	9.1	1	1.3
SCRANTON	4	4.9	3	3.7	7	8.6	6	7.4	2	2.5	7	8.6
SHARON	1	6.4	4	25.7	1	6.4	0	-	0	-	0	-
STATE COLLEGE	1	3.0	0	-	2	6.1	0	-	0	-	0	-
WEST MIFFLIN	5	20.6	0	-	1	4.1	0	-	2	8.2	0	-
WILKES BARRE	3	6.4	1	2.1	4	8.5	25	53.2	1	2.1	7	14.9
WILLIAMSPORT	7	22.0	1	3.1	1	3.[illegible]	0	-	0	-	2	6.3
YORK	6	13.2	6	13.2	6	13.2	0	-	3	6.6	4	8.8
ALL OTHER AREAS	416	4.7	181	2.0	347	3.9	419	4.7	159	1.8	285	3.2

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	BENIGN AND UNSPECIFIED NEOPLASMS		PARKINSON'S DISEASE		HERNIA AND INTESTINAL OBSTRUCTION		ULCERS OF STOMACH AND DUODENUM		ANEMIAS		NUTRITIONAL DEFICIENCIES	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	420	3.5	365	3.0	305	2.5	302	2.5	223	1.9	176	1.5
ALLENTOWN	6	5.7	2	1.9	3	2.9	2	1.9	2	1.9	1	1.0
ALTOONA	3	5.7	1	1.9	2	3.8	2	3.8	1	1.9	0	-
BETHEL PARK	1	2.9	3	8.7	2	5.8	0	-	0	-	0	-
BETHLEHEM	4	5.5	0	-	3	4.1	3	4.1	2	2.8	2	2.8
CHESTER	0	-	0	-	1	2.3	1	2.3	1	2.3	1	2.3
EASTON	0	-	0	-	0	-	0	-	0	-	0	-
ERIE	3	2.7	2	1.8	2	1.8	6	5.3	0	-	3	2.7
HARRISBURG	1	1.9	2	3.9	0	-	2	3.9	2	3.9	3	5.8
HAZLETON	1	4.0	0	-	0	-	0	-	1	4.0	0	-
JOHNSTOWN	2	6.6	1	3.3	2	6.6	0	-	0	-	0	-
LANCASTER	1	1.7	1	1.7	2	3.4	1	1.7	0	-	1	1.7
LEBANON	0	-	1	3.7	0	-	0	-	2	7.4	0	-
MCKEESPORT	3	11.4	2	7.6	1	3.8	0	-	0	-	1	3.8
MONROEVILLE	2	6.8	0	-	1	3.4	0	-	0	-	0	-
NEW CASTLE	1	3.3	0	-	3	10.0	3	10.0	0	-	0	-
NORRISTOWN	2	6.0	0	-	3	9.0	2	6.0	2	6.0	1	3.0
PHILADELPHIA	52	3.2	49	3.0	59	3.6	33	2.0	38	2.3	43	2.6
PITTSBURGH	14	3.7	26	6.9	7	1.9	13	3.5	14	3.7	3	0.8
PLUM	0	-	1	4.0	2	8.1	0	-	0	-	1	4.0
READING	2	2.6	0	-	2	2.6	1	1.3	1	1.3	0	-
SCRANTON	5	6.2	1	1.2	2	2.5	1	1.2	3	3.7	3	3.7
SHARON	2	12.9	1	6.4	1	6.4	0	-	0	-	1	6.4
STATE COLLEGE	0	-	0	-	1	3.0	0	-	0	-	0	-
WEST MIFFLIN	0	-	1	4.1	0	-	1	4.1	0	-	2	8.2
WILKES BARRE	5	10.6	4	8.5	4	8.5	2	4.3	2	4.3	1	2.1
WILLIAMSPORT	3	9.4	1	3.1	2	6.3	0	-	0	-	0	-
YORK	1	2.2	2	4.4	4	8.8	2	4.4	1	2.2	0	-
ALL OTHER AREAS	306	3.5	264	3.0	196	2.2	227	2.6	151	1.7	109	1.2

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

MUNICIPALITY	GALL BLADDER DISORDERS		ALCOHOLISM		DISEASES OF PANCREAS		MULTIPLE SCLEROSIS		EPILEPSY	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	150	1.2	139	1.2	135	1.1	104	0.9	99	0.8
ALLENTOWN	1	1.0	2	1.9	0	-	1	1.0	0	-
ALTOONA	2	3.8	1	1.9	3	5.7	0	-	3	5.7
BETHEL PARK	1	2.9	0	-	0	-	1	2.9	0	-
BETHLEHEM	0	-	3	4.1	1	1.4	1	1.4	0	-
CHESTER	1	2.3	5	11.7	0	-	1	2.3	2	4.7
EASTON	0	-	1	3.7	0	-	0	-	1	3.7
ERIE	0	-	0	-	1	0.9	1	0.9	0	-
HARRISBURG	0	-	0	-	0	-	0	-	3	5.8
HAZLETON	1	4.0	0	-	1	4.0	0	-	0	-
JOHNSTOWN	2	6.6	0	-	1	3.3	0	-	0	-
LANCASTER	0	-	1	1.7	1	1.7	3	5.1	1	1.7
LEBANON	0	-	0	-	1	3.7	0	-	0	-
MCKEESPORT	1	3.8	0	-	0	-	0	-	1	3.8
MONROEVILLE	0	-	0	-	0	-	1	3.4	0	-
NEW CASTLE	2	6.7	0	-	0	-	0	-	0	-
NORRISTOWN	1	3.0	1	3.0	0	-	0	-	1	3.0
PHILADELPHIA	12	0.7	49	3.0	17	1.0	13	0.8	22	1.3
PITTSBURGH	7	1.9	11	2.9	8	2.1	2	0.5	10	2.7
PLUM	0	-	0	-	0	-	0	-	0	-
READING	1	1.3	3	3.9	2	2.6	0	-	0	-
SCRANTON	2	2.5	3	3.7	1	1.2	1	1.2	1	1.2
SHARON	0	-	1	6.4	0	-	0	-	0	-
STATE COLLEGE	0	-	0	-	0	-	0	-	0	-
WEST MIFFLIN	0	-	0	-	0	-	1	4.1	0	-
WILKES BARRE	1	2.1	0	-	2	4.3	0	-	1	2.1
WILLIAMSPORT	0	-	0	-	0	-	0	-	2	6.3
YORK	0	-	2	4.4	2	4.4	2	4.4	1	2.2
ALL OTHER AREAS	115	1.3	56	0.6	94	1.1	76	0.9	50	0.6

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

(CONTINUED)

TABLE C-34 (CONTINUED)
SELECTED CAUSES OF DEATH BY SELECTED MUNICIPALITIES
NUMBER AND RATE*: PENNSYLVANIA RESIDENTS, 1988

	VENOUS EMBOLISM & THROMBOSIS		TUBERCULOSIS		MENINGITIS		INFECTIONS OF KIDNEY		ALL OTHER CAUSES	
MUNICIPALITY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
STATE TOTAL	78	0.6	71	0.6	55	0.5	47	0.4	11,531	96.1
ALLENTOWN	2	1.9	1	1.0	0	-	0	-	78	74.1
ALTOONA	0	-	0	-	1	1.9	0	-	52	98.5
BETHEL PARK	2	5.8	0	-	1	2.9	0	-	20	58.0
BETHLEHEM	0	-	0	-	1	1.4	0	-	58	80.0
CHESTER	0	-	0	-	1	2.3	0	-	73	171.5
EASTON	1	3.7	1	3.7	0	-	0	-	21	77.0
ERIE	2	1.8	1	0.9	1	0.9	0	-	134	118.8
HARRISBURG	1	1.9	2	3.9	2	3.9	0	-	51	98.6
HAZLETON	0	-	1	4.0	0	-	2	7.9	16	63.3
JOHNSTOWN	0	-	1	3.3	0	-	0	-	30	98.7
LANCASTER	0	-	0	-	2	3.4	0	-	52	88.2
LEBANON	0	-	1	3.7	1	3.7	0	-	17	63.3
MCKEESPORT	0	-	0	-	0	-	0	-	52	197.7
MONROEVILLE	0	-	0	-	0	-	0	-	21	71.2
NEW CASTLE	0	-	0	-	0	-	1	3.3	33	110.5
NORRISTOWN	0	-	0	-	0	-	0	-	45	134.9
PHILADELPHIA	5	0.3	27	1.6	12	0.7	4	0.2	2,805	170.3
PITTSBURGH	4	1.1	1	0.3	0	-	1	0.3	528	140.7
PLUM	0	-	0	-	0	-	0	-	10	40.4
READING	0	-	0	-	0	-	0	-	108	141.1
SCRANTON	1	1.2	1	1.2	1	1.2	0	-	106	130.5
SHARON	0	-	0	-	0	-	0	-	18	115.7
STATE COLLEGE	0	-	0	-	0	-	0	-	9	27.4
WEST MIFFLIN	1	4.1	0	-	0	-	0	-	21	86.5
WILKES BARRE	0	-	0	-	0	-	1	2.1	69	146.8
WILLIAMSPORT	0	-	0	-	0	-	0	-	23	72.3
YORK	0	-	0	-	0	-	0	-	41	90.4
ALL OTHER AREAS	59	0.7	34	0.4	32	0.4	38	0.4	7,040	79.6

* RATE PER 100,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED AREA.

NOTE: SEE TECHNICAL NOTES FOR CRITERIA USED IN MUNICIPALITY SELECTION.

1988 INDUCED ABORTION STATISTICS

Highlights

Total Induced Abortions In 1988, 50,786 induced terminations of pregnancy occurred in the state of Pennsylvania, compared to a total of 51,630 procedures performed in 1987. This represents a decrease of 844 or 1.6 percent from the prior year. The 1988 figure is a 22.8 percent decrease from the 1980 total of 65,777, the highest annual number of abortions ever recorded since the first full year of data was collected in 1975. The total annual number of induced abortions consistently increased every year from 1975 to 1980. However, since 1980, the total annual number has been consistently decreasing.

Age of Woman Over 52 percent of the induced abortions occurring in 1988 in Pennsylvania were to women 20-29 years of age. Women in their twenties accounted for 55.8 percent of all induced abortions in 1985, 55.5 percent in 1980, and 49.5 percent in 1975. Females 19 years of age and younger (teenagers) accounted for 14,106 procedures or 27.8 percent of all the induced abortions that occurred in 1988. In 1980, there were 20,202 procedures performed among teenagers accounting for 30.7 percent of the abortions that year. This represents a 30.2 percent decrease in the number of induced abortions to teenagers in 1988 as compared to 1980. Women aged 30-39 obtained 12.4 percent of all abortions performed in 1980. By 1988, they accounted for 18.1 percent, an increase of 46.0 percent. The median age of a woman having an abortion in Pennsylvania was 23.5 in 1988, 23.3 in 1985, 22.6 in 1980, and 22.3 in 1975.

Gestational Age Almost 88 percent of all induced abortions that occurred in Pennsylvania in 1988 were performed during the first trimester (three months or twelve weeks) of pregnancy. Induced abortions were performed between the thirteenth and seventeenth week of fetal gestation for 9.9 percent of all procedures in 1988. Only 128 or 0.3 percent of the induced abortions in 1988 were performed after the twenty-second week of fetal gestation.

Type of Procedure Almost 80 percent of induced abortions in 1988 were performed primarily by suction curettage. Another 19.0 percent of the procedures were performed primarily by dilation and evacuation. The remaining 1.0 percent were performed by sharp curettage, intra-uterine saline instillation, and intra-uterine prostaglandin instillation.

Woman's Residence Of the 50,786 induced abortions performed in Pennsylvania during 1988, 47,802 or 94.1 percent were to residents of the state. Residents of the six states bordering Pennsylvania (Delaware, Maryland, New Jersey, New York, Ohio, and West Virginia) accounted for 2,863 or 95.9 percent of the 2,984 procedures performed among non-residents. Among these six states, New Jersey residents had the highest number of induced abortions performed in Pennsylvania in 1988 (1,382), followed by West Virginia with 670 residents of that state obtaining abortions in Pennsylvania. Nine women from other countries obtained induced abortions in Pennsylvania during 1988.

LIST OF DATA TABLES

INDUCED ABORTION DATA TABLES

PAGE

Table D-1 Induced Abortions: Pennsylvania Occurrences, 1975-1988 188

Table D-2 Induced Abortions by Age of Woman, Pennsylvania Occurrences, 1988, 1985, 1980, and 1975 188

Table D-3 Induced Abortions by Weeks of Gestation, Number and Percent: Pennsylvania Occurrences, 1988 189

Table D-4 Induced Abortions by Primary Type of Procedure, Number and Percent: Pennsylvania Occurrences, 1988 189

Table D-5 Induced Abortions by Residence of Woman, Pennsylvania Occurrences, 1988 190

TABLE D-1
INDUCED ABORTIONS: PENNSYLVANIA OCCURRENCES, 1975-1988

YEAR	NUMBER	YEAR	NUMBER
1988	50,786	1981	62,701
1987	51,630	1980	65,777
1986	51,666	1979	64,147
1985	53,465	1978	60,639
1984	59,258	1977	57,880
1983	59,288	1976	52,261
1982	60,772	1975	43,319

TABLE D-2
INDUCED ABORTIONS BY AGE OF WOMAN
PENNSYLVANIA OCCURRENCES, 1988, 1985, 1980, AND 1975

AGE OF WOMAN	1988	1985	1980	1975
ALL AGES	50,786	53,465	65,777	43,319
UNDER 15	511	564	662	851
15-19	13,595	13,955	19,540	14,156
20-24	16,173	18,605	24,476	14,192
25-29	10,464	11,203	12,036	7,232
30-34	6,201	5,802	5,679	3,683
35-39	2,997	2,677	2,456	2,086
40-44	787	603	751	838
45 & OVER	39	35	77	97
UNKNOWN	19	21	100	184

TABLE D-3
INDUCED ABORTIONS BY WEEKS OF GESTATION
NUMBER AND PERCENT: PENNSYLVANIA OCCURRENCES, 1988

WEEKS FROM LAST MENSTRUAL PERIOD	NUMBER	PERCENT
TOTAL	50,786	100.0
10 OR LESS	36,780	72.4
11 - 12	7,802	15.4
13 - 14	2,966	5.8
15 - 17	2,042	4.0
18 - 22	953	1.9
23 - 26	127	0.3
27 OR MORE	1	0.0
UNKNOWN	115	0.2

TABLE D-4
INDUCED ABORTIONS BY PRIMARY TYPE OF PROCEDURE
NUMBER AND PERCENT: PENNSYLVANIA OCCURRENCES, 1988

PRIMARY TYPE OF PROCEDURE	NUMBER	PERCENT
TOTAL	50,786	100.0
SUCTION CURETTAGE	40,545	79.8
DILATION AND EVACUATION	9,643	19.0
SHARP CURETTAGE	68	0.1
INTRA-UTERINE SALINE INSTILLATION	471	0.9
INTRA-UTERINE PROSTAGLANDIN INSTILLATION	41	0.1
HYSTEROTOMY	1	0.0
HYSTERECTOMY	0	-
OTHER	17	0.0

TABLE D-5
INDUCED ABORTIONS BY RESIDENCE OF WOMAN
PENNSYLVANIA OCCURRENCES, 1988

COUNTY	NUMBER
ADAMS	160
ALLEGHENY	7,337
ARMSTRONG	142
BEAVER	530
BEDFORD	65
BERKS	1,043
BLAIR	226
BRADFORD	8
BUCKS	2,141
BUTLER	453
CAMBRIA	276
CAMERON	10
CARBON	133
CENTRE	498
CHESTER	1,449
CLARION	72
CLEARFIELD	138
CLINTON	84
COLUMBIA	147
CRAWFORD	123
CUMBERLAND	642
DAUPHIN	1,222
DELAWARE	2,270
ELK	38
ERIE	268
FAYETTE	352
FOREST	5
FRANKLIN	63
FULTON	6
GREENE	105
HUNTINGDON	60
INDIANA	250
JEFFERSON	122
JUNIATA	32
LACKAWANNA	477
LANCASTER	1,054
LAWRENCE	104
LEBANON	258
LEHIGH	1,028
LUZERNE	729
LYCOMING	282
MCKEAN	12
MERCER	124
MIFFLIN	82
MONROE	344
MONTGOMERY	2,863
MONTOUR	30
NORTHAMPTON	779
NORTHUMBERLAND	192
PERRY	79
PHILADELPHIA	15,269
PIKE	29
POTTER	7
SCHUYLKILL	361
SNYDER	48
SOMERSET	120
SULLIVAN	10
SUSQUEHANNA	8
TIOGA	19
UNION	70
VENANGO	95
WARREN	12
WASHINGTON	638
WAYNE	71
WESTMORELAND	882
WYOMING	49
YORK	1,007
UNKNOWN COUNTY	200
TOTAL PENNSYLVANIA	47,802
OTHER STATES/COUNTRIES	
DELAWARE	302
MARYLAND	122
NEW JERSEY	1,382
NEW YORK	51
OHIO	336
WEST VIRGINIA	670
OTHER STATES/ TERRITORIES	87
UNKNOWN STATE	25
OTHER COUNTRIES	9
TOTAL OTHER STATES/ COUNTRIES	2,984
TOTAL ALL ABORTIONS	50,786

1988 MARRIAGE and DIVORCE STATISTICS

Highlights

MARRIAGES:

Total Marriages In 1988, the number of marriages occurring in Pennsylvania was 87,963, an increase of 745 marriages or 0.9 percent from the 87,218 that occurred in 1987. This increase reverses the downward trend in the annual number of marriages that had been occurring in the state since 1985. The 1988 marriage rate was 7.3 per 1,000 population, the same as for 1987 and the lowest marriage rate for the state since 1966. Pennsylvania's marriage rate has also been consistently lower than that recorded for the United States over the years 1950 - 1988.

Age of Bride The largest proportion of brides continued to be in the age group 20-24, accounting for 34.3 percent of all marriages in 1988. However, compared to 1970, the number of marriages in 1988 for women under 25 years of age has decreased by 48.8 percent while the number for women 25-39 years of age has increased by 167.5 percent. The largest increase among the age groups occurred to women 30-34 years of age; the number of marriages in 1988 reported for that age group was 237.0 percent higher than in 1970.

Age of Groom Age at the time of marriage for grooms followed a pattern similar to that of the brides, with the numbers and rates rising dramatically over the years for those 25 years of age and over and declining significantly for those under 25 years of age. In fact, the number and rate of marriages in 1988 among males 25-29 years of age was higher than the corresponding figures for those 20-24, the age group which has traditionally held the distinction of having the highest figures among all the age groups.

Marriage Rate by Age The 1988 marriage rate for brides under 20 years of age was more than three times that for the grooms. However, for the age group 50 and older, the grooms' marriage rate was more than twice the brides' rate.

Previous Marital Status Age 20-24 was the most common age group for first marriages for women. However, among the men being married for the first time, age 25-29 was the most common age group. The median ages of brides and grooms being married for the first time were 24.5 and 26.6, respectively.

For 72.7 percent of the brides and 71.9 percent of the grooms, the marriage occurring in Pennsylvania was a first marriage. In 1970, 84.0 percent of the brides were being married for the first time and 83.1 percent of the grooms. Approximately 4.0 percent of the women and the men marrying in 1988 had had two or more prior marriages. The median age of brides who had been previously married was 35.4; for grooms previously married, the median age was 38.9.

For persons previously widowed, 58.1 percent of the women and 79.1 percent of the men were age 50 and older at the time of their remarriage. Among those previously divorced, the median age for women being remarried was 34.5; for men, it was 37.8.

Age of Bride and Groom In 17.3 percent of all marriages, both the bride and the groom were in the age group 20-24. The second most common combination was both the bride and the groom 25-29 years of age -- 14.3 percent of all marriages. In 12.6 percent of the marriages, the bride was 20-24 and the groom 25-29 years of age -- the third most common combination.

Residence

Most of the brides (92.7 percent) and grooms (89.1 percent) who were married in Pennsylvania in 1988 were also residents of Pennsylvania.

Marriages by Month

October was the most popular month for marriages in 1988 with 10,825 marriages occurring in Pennsylvania, followed closely by June (10,492), September (10,128), and May (10,031). The least popular month was January when only 2,899 marriages took place.

DIVORCES:

Total Divorces

In 1988, the total number of divorces and annulments occurring in Pennsylvania was 39,001. This represents a slight increase of 164 or 0.4 percent compared to the 1987 figure of 38,837. The rate was 3.2 per 1,000 population, only a slight decrease from the rate of 3.3 in 1987 but still the lowest annual divorce rate recorded for the state since 1980 when it was 2.9. Pennsylvania's divorce rate has been consistently lower than the rate for the United States over the years 1950 - 1988.

Duration of Marriage

Over 52 percent of all divorces and annulments occurred in marriages of nine years duration or less in 1988. Marriages of three, four, five and six years duration had the highest numbers of divorces and annulments. Exactly 17.0 percent of the divorces and annulments during 1988 occurred in marriages of 20 years duration or longer.

NOTE: Caution is advised when analyzing marriage and divorce statistics which are based on the number of events occurring in a county and may or may not reflect the county of residence of either party. See the *Reliability of Rates* section of the *Technical Notes* in the back of this report for more discussion of these rates.

LIST OF DATA TABLES AND ILLUSTRATIONS

MARRIAGE AND DIVORCE DATA TABLES

PAGE

Table E-1 Marriages, Number and Rate: Pennsylvania and United States Occurrences, 1950-1988 195

Table E-2 Marriages by Age of Bride, Number and Rate: Pennsylvania Occurrences, 1988, 1980, 1975, and 1970 196

Table E-3 Marriages by Age of Groom, Number and Rate: Pennsylvania Occurrences, 1988, 1980, 1975, and 1970 196

Table E-4 Prior Marriages by Age of Bride, Pennsylvania Occurrences, 1988 198

Table E-5 Prior Marriages by Age of Groom, Pennsylvania Occurrences, 1988 198

Table E-6 Previous Marital Status by Age of Bride and Age of Groom, Pennsylvania Occurrences, 1988 199

Table E-7 All Marriages by Age of Bride and Age of Groom, Pennsylvania Occurrences, 1988 199

Table E-8 All Marriages by Residence of Bride and Groom, Number and Percent: Pennsylvania Occurrences, 1988 200

Table E-9 All Marriages by Month, Number and Percent: Pennsylvania Occurrences, 1988 200

Table E-10 Divorces and Annulments, Number and Rate: Pennsylvania and United States Occurrences, 1950-1988 201

Table E-11 Divorces and Annulments by Duration of Marriage, Number and Percent: Pennsylvania Occurrences, 1988 202

Table E-12 Marriages and Divorces by County of Occurrence, Number and Rate: Pennsylvania, 1988 203

MARRIAGE AND DIVORCE DATA ILLUSTRATIONS

PAGE

Figure E-1 Marriage Rates: Pennsylvania and United States, 1950-1988 195

Figure E-2 Marriage Rates by Age of Bride and Age of Groom: Pennsylvania Occurrences, 1988 197

Figure E-3 Divorce Rates: Pennsylvania and United States, 1950-1988 201

Figure E-4 Divorces and Annulments, Percent by Duration of Marriage, Pennsylvania Occurrences, 1988 202

TABLE E-1
MARRIAGES, NUMBER AND RATE*:
PENNSYLVANIA AND UNITED STATES OCCURRENCES, 1950-1988

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1988	87,963	7.3	2,389,000**	9.7	1968	91,947	7.8	2,069,000	10.4
1987	87,218	7.3	2,421,000**	9.9	1967	85,508	7.3	1,927,000	9.7
1986	87,558	7.4	2,407,099	10.0	1966	81,337	7.0	1,857,000	9.5
1985	89,139	7.5	2,412,625	10.1	1965	80,187	7.0	1,800,000	9.3
1984	91,610	7.7	2,477,192	10.5	1964	76,660	6.7	1,725,000	9.0
1983	92,095	7.7	2,445,604	10.5	1963	72,024	6.3	1,654,000	8.8
1982	93,350	7.9	2,456,278	10.6	1962	68,916	6.1	1,577,000	8.5
1981	92,644	7.8	2,422,145	10.6	1961	69,617	6.1	1,548,000	8.5
1980	93,673	7.9	2,390,252	10.6	1960	71,835	6.3	1,523,000	8.5
1979	93,677	8.0	2,331,337	10.4	1959	71,719	6.3	1,494,000	8.5
1978	92,682	7.9	2,282,272	10.3	1958	67,203	6.1	1,451,000	8.4
1977	90,842	7.7	2,178,367	9.9	1957	75,208	6.7	1,518,000	8.9
1976	90,442	7.6	2,154,807	9.9	1956	77,682	7.0	1,585,000	9.5
1975	91,665	7.7	2,152,662	10.0	1955	77,543	7.0	1,531,000	9.3
1974	96,663	8.2	2,229,667	10.5	1954	72,934	6.7	1,490,000	9.2
1973	101,076	8.5	2,284,108	10.8	1953	80,316	7.4	1,546,000	9.8
1972	98,496	8.3	2,282,154	10.9	1952	78,946	7.4	1,539,318	9.9
1971	94,663	8.0	2,190,481	10.6	1951	84,878	8.0	1,594,694	10.4
1970	94,516	8.0	2,158,802	10.6	1950	89,669	8.5	1,667,231	11.1
1969	94,861	8.0	2,145,000	10.6					

* RATE PER 1,000 POPULATION.

**PROVISIONAL DATA.

FIGURE E-1
MARRIAGE RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988

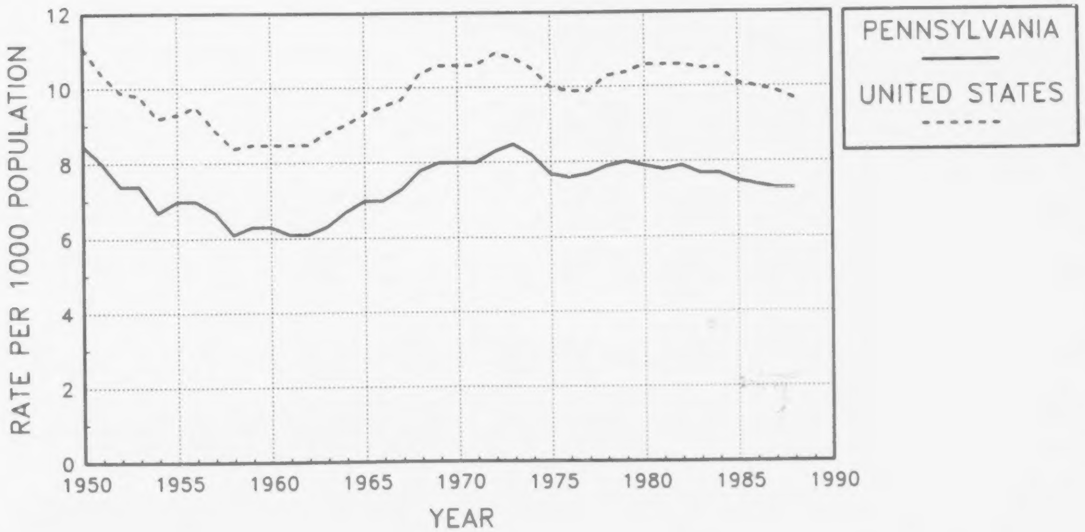


TABLE E-2
MARRIAGES BY AGE OF BRIDE, NUMBER AND RATE*: PENNSYLVANIA OCCURRENCES, 1988, 1980, 1975, AND 1970

AGE OF BRIDE	1988		1980		1975		1970	
(IN YEARS)	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	87,963	14.1	93,673	15.2	91,665	14.9	94,516	20.7
UNDER 20	6,165	14.0	14,330	26.8	21,207	37.4	22,323	41.5
20-24**	30,197	64.9	41,886	78.0	41,769	78.7	48,631	106.4
25-29	24,418	49.6	19,150	40.2	13,597	30.1	10,265	28.3
30-34	12,025	23.9	7,813	18.1	5,076	14.2	3,568	11.3
35-39	6,382	14.0	3,640	10.4	2,681	8.6	2,174	6.7
40-44	3,598	9.1	2,095	6.8	1,860	5.8	2,021	5.2
45-49	2,084	6.3	1,426	4.6	1,717	4.6	1,714	4.2
50 & OVER	3,094	1.5	3,333	1.7	3,758	2.0	3,820	2.1

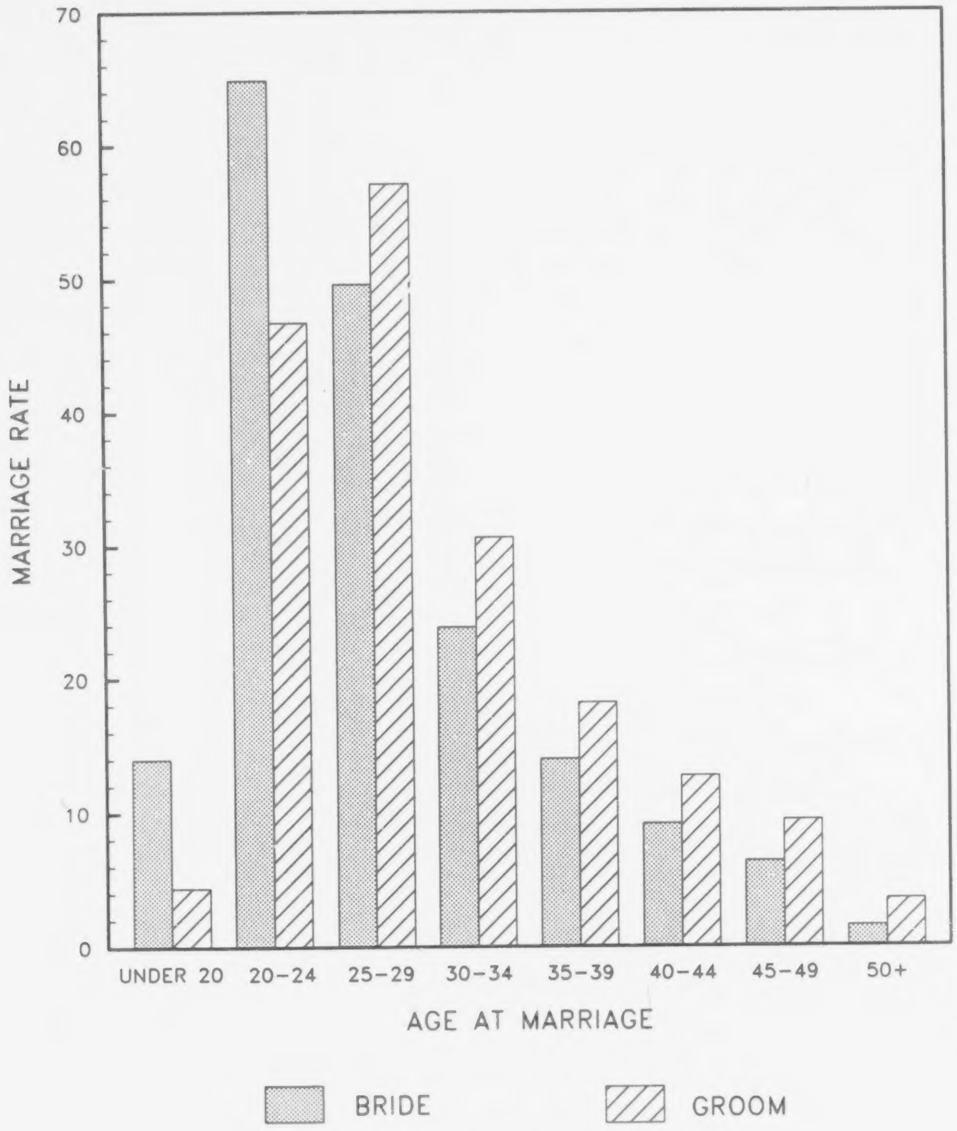
* RATE PER 1,000 FEMALE POPULATION.
**BRIDES WITH UNKNOWN AGE ARE INCLUDED IN THE 20-24 YEAR AGE GROUP.

TABLE E-3
MARRIAGES BY AGE OF GROOM, NUMBER AND RATE*: PENNSYLVANIA OCCURRENCES, 1988, 1980, 1975, AND 1970

AGE OF GROOM	1988		1980		1975		1970	
(IN YEARS)	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL AGES	87,963	15.3	93,673	16.5	91,665	16.2	94,516	23.4
UNDER 20	2,001	4.4	4,893	9.0	8,269	14.1	9,083	16.9
20-24	22,320	46.7	36,931	70.6	41,079	77.7	48,757	123.4
25-29**	27,927	57.1	25,582	54.6	21,027	54.3	18,083	52.7
30-34	14,913	30.6	10,995	26.4	7,391	22.0	5,735	19.5
35-39	7,939	18.2	5,028	15.2	3,664	12.8	3,055	10.2
40-44	4,780	12.7	2,952	10.4	2,559	8.7	2,464	6.9
45-49	2,876	9.4	2,013	7.0	2,171	6.3	2,052	5.5
50 & OVER	5,207	3.5	5,279	3.4	5,505	3.7	5,287	3.6

* RATE PER 1,000 MALE POPULATION.
**GROOMS WITH UNKNOWN AGE ARE INCLUDED IN THE 25-29 YEAR AGE GROUP FOR 1988, AND IN THE 20-24 YEAR AGE GROUP FOR ALL OTHER YEARS.

FIGURE E-2
MARRIAGE RATES BY AGE OF BRIDE AND AGE OF GROOM
PENNSYLVANIA OCCURRENCES, 1988



NOTE: MARRIAGE RATE OF BRIDE PER 1,000 FEMALE POPULATION FOR EACH AGE GROUP.
MARRIAGE RATE OF GROOM PER 1,000 MALE POPULATION FOR EACH AGE GROUP.

TABLE E-4
PRIOR MARRIAGES BY AGE OF BRIDE
PENNSYLVANIA OCCURRENCES, 1988

			PRIOR MARRIAGES			
AGE OF BRIDE (IN YEARS)	ALL MARRIAGES*	FIRST MARRIAGE	ONE	TWO	THREE OR MORE	UNKNOWN
ALL AGES	87,963	63,916	20,528	3,019	435	65
UNDER 15	7	7	0	0	0	0
15-19	6,158	6,133	24	1	0	0
20-24	30,077	28,767	1,281	27	0	2
25-29	24,418	19,770	4,391	236	10	11
30-34	12,025	6,363	4,992	606	49	15
35-39	6,382	1,799	3,750	715	111	7
40-44	3,598	554	2,358	578	98	10
45-49	2,084	203	1,445	352	75	9
50 & OVER	3,094	241	2,253	498	92	10
UNKNOWN	120	79	34	6	0	1

* TOTAL INCLUDES RECORDS WHICH DID NOT INDICATE WHETHER THIS WAS A FIRST OR REMARRIAGE.

TABLE E-5
PRIOR MARRIAGES BY AGE OF GROOM
PENNSYLVANIA OCCURRENCES, 1988

			PRIOR MARRIAGES			
AGE OF GROOM (IN YEARS)	ALL MARRIAGES*	FIRST MARRIAGE	ONE	TWO	THREE OR MORE	UNKNOWN
ALL AGES	87,963	63,255	21,103	3,101	438	66
UNDER 15	4	3	1	0	0	0
15-19	1,997	1,992	5	0	0	0
20-24	22,320	21,853	455	8	2	2
25-29	27,810	24,871	2,852	78	1	8
30-34	14,913	9,809	4,674	390	28	12
35-39	7,939	3,048	4,174	637	72	8
40-44	4,780	861	3,145	663	100	11
45-49	2,876	306	1,972	498	92	8
50 & OVER	5,207	439	3,793	817	143	15
UNKNOWN	117	73	32	10	0	2

* TOTAL INCLUDES RECORDS WHICH DID NOT INDICATE WHETHER THIS WAS A FIRST OR REMARRIAGE.

TABLE E-6
PREVIOUS MARITAL STATUS BY AGE OF BRIDE AND AGE OF GROOM
- PENNSYLVANIA OCCURRENCES, 1988

AGE GROUP (IN YEARS)	ALL MARRIAGES*		NEVER MARRIED		WIDOWED		DIVORCED	
	BRIDES	GROOMS	BRIDES	GROOMS	BRIDES	GROOMS	BRIDES	GROOMS
ALL AGES	87,963	87,963	63,916	63,255	2,618	2,543	21,364	22,088
UNDER 20	6,165	2,001	6,140	1,995	1	0	24	6
20-24	30,077	22,320	28,767	21,853	28	5	1,275	459
25-29	24,418	27,810	19,770	24,871	121	26	4,520	2,899
30-34	12,025	14,913	6,363	9,809	196	71	5,450	5,025
35-39	6,382	7,939	1,799	3,048	219	120	4,350	4,761
40-44	3,598	4,780	554	861	254	140	2,785	3,768
45-49	2,084	2,876	203	306	273	145	1,601	2,413
50-59	1,760	2,879	165	278	531	534	1,061	2,058
60-69	928	1,553	57	125	646	824	220	596
70+	406	775	19	36	343	654	43	83
UNKNOWN	120	117	79	73	6	24	35	20

* TOTAL INCLUDES UNKNOWN PREVIOUS MARITAL STATUS.

TABLE E-7
ALL MARRIAGES BY AGE OF BRIDE AND AGE OF GROOM
PENNSYLVANIA OCCURRENCES, 1988

AGE OF GROOM (IN YEARS)	ALL AGES	AGE OF BRIDE (IN YEARS)										
		UNDER 20	20-24	25-29	30-34	35-39	40-44	45-49	50-59	60-69	70+	UN-KNOWN
ALL AGES	87,963	6,165	30,077	24,418	12,025	6,382	3,598	2,084	1,760	928	406	120
UNDER 20	2,001	1,380	537	61	10	7	0	2	0	0	1	3
20-24	22,320	3,844	15,175	2,614	508	108	36	5	1	1	1	27
25-29	27,810	724	11,108	12,542	2,603	641	127	21	10	1	0	33
30-34	14,913	142	2,394	6,135	4,411	1,365	347	91	17	3	0	8
35-39	7,939	41	570	2,015	2,633	1,854	612	171	25	2	0	16
40-44	4,780	15	188	705	1,139	1,270	1,007	355	90	5	0	6
45-49	2,876	7	52	223	479	671	735	512	184	7	0	6
50-59	2,879	3	21	85	195	389	597	701	746	126	8	8
60-69	1,553	1	5	13	33	52	122	202	575	481	68	1
70+	775	0	1	3	4	12	12	23	106	294	317	3
UNKNOWN	117	8	26	22	10	13	3	1	6	8	11	9

TABLE E-8
ALL MARRIAGES BY RESIDENCE OF BRIDE AND GROOM, NUMBER AND PERCENT: PENNSYLVANIA OCCURRENCES, 1988

RESIDENCE	BRIDE NUMBER	BRIDE PERCENT	GROOM NUMBER	GROOM PERCENT
ALL AREAS	87,963*	100.0	87,963**	100.0
PENNSYLVANIA	81,516	92.7	78,389	89.1
ALL OTHER STATES	6,375	7.2	9,471	10.8
TERRITORIES AND POSSESSIONS	1	0.0	7	0.0
FOREIGN COUNTRIES	60	0.1	88	0.1

* TOTAL INCLUDES ELEVEN BRIDES WHOSE RESIDENCES WERE NOT INDICATED.
**TOTAL INCLUDES EIGHT GROOMS WHOSE RESIDENCES WERE NOT INDICATED.

TABLE E-9
ALL MARRIAGES BY MONTH, NUMBER AND PERCENT: PENNSYLVANIA OCCURRENCES, 1988

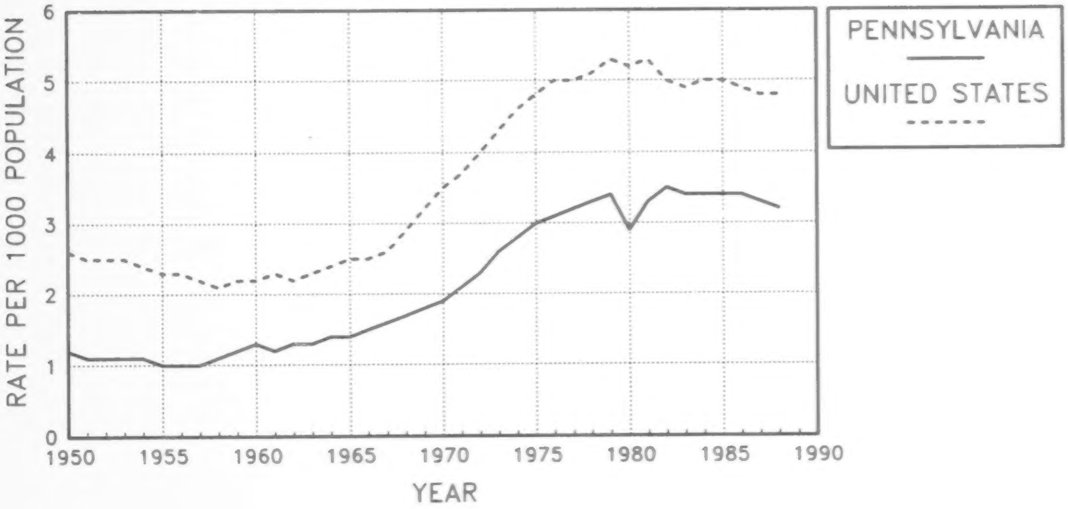
MONTH OF MARRIAGE	NUMBER	PERCENT
ALL MONTHS	87,963	100.0
JANUARY	2,899	3.3
FEBRUARY	3,926	4.5
MARCH	4,164	4.7
APRIL	7,283	8.3
MAY	10,031	11.4
JUNE	10,492	11.9
JULY	8,231	9.4
AUGUST	8,703	9.9
SEPTEMBER	10,128	11.5
OCTOBER	10,825	12.3
NOVEMBER	6,493	7.4
DECEMBER	4,788	5.4

TABLE E-10
DIVORCES AND ANNULMENTS, NUMBER AND RATE*: PENNSYLVANIA AND UNITED STATES OCCURRENCES, 1950-1988

	PENNSYLVANIA		UNITED STATES			PENNSYLVANIA		UNITED STATES	
YEAR	NUMBER	RATE	NUMBER	RATE	YEAR	NUMBER	RATE	NUMBER	RATE
1988	39,001	3.2	1,183,000**	4.8	1968	20,326	1.7	584,000	2.9
1987	38,837	3.3	1,157,000**	4.8	1967	18,668	1.6	523,000	2.6
1986	39,875	3.4	1,178,000	4.9	1966	16,940	1.5	499,000	2.5
1985	40,153	3.4	1,190,000	5.0	1965	16,578	1.4	479,000	2.5
1984	40,375	3.4	1,169,000	5.0	1964	16,139	1.4	450,000	2.4
1983	40,150	3.4	1,158,000	4.9	1963	14,789	1.3	428,000	2.3
1982	41,280	3.5	1,170,000	5.0	1962	14,316	1.3	413,000	2.2
1981	38,842	3.3	1,213,000	5.3	1961	13,606	1.2	414,000	2.3
1980	34,922	2.9	1,189,000	5.2	1960	14,429	1.3	393,000	2.2
1979	39,808	3.4	1,181,000	5.3	1959	13,891	1.2	395,000	2.2
1978	38,261	3.3	1,130,000	5.1	1958	12,243	1.1	368,000	2.1
1977	37,868	3.2	1,091,000	5.0	1957	11,651	1.0	381,000	2.2
1976	36,531	3.1	1,083,000	5.0	1956	11,480	1.0	382,000	2.3
1975	34,955	3.0	1,036,000	4.8	1955	11,103	1.0	377,000	2.3
1974	32,899	2.8	977,000	4.6	1954	11,711	1.1	379,000	2.4
1973	31,005	2.6	915,000	4.3	1953	12,121	1.1	390,000	2.5
1972	27,501	2.3	845,000	4.0	1952	11,905	1.1	392,000	2.5
1971	25,110	2.1	773,000	3.7	1951	11,743	1.1	381,000	2.5
1970	22,622	1.9	708,000	3.5	1950	12,096	1.2	385,144	2.6
1969	21,580	1.8	639,000	3.2					

* RATE PER 1,000 POPULATION.
**PROVISIONAL DATA.

FIGURE E-3
DIVORCE RATES
PENNSYLVANIA AND UNITED STATES, 1950-1988



NOTE: ANNULMENTS ARE INCLUDED IN DIVORCE RATES.

TABLE E-11
DIVORCES AND ANNULMENTS BY DURATION OF MARRIAGE, NUMBER AND PERCENT: PENNSYLVANIA OCCURRENCES, 1988

DURATION OF MARRIAGE (IN YEARS)	NUMBER	PERCENT
TOTAL	39,001	100.0
UNDER 1	131	0.3
1	1,101	2.8
2	2,116	5.4
3	2,634	6.8
4	2,738	7.0
5	2,756	7.1
6	2,606	6.7
7	2,311	5.9
8	2,131	5.5
9	1,916	4.9
10	1,606	4.1
11	1,475	3.8
12	1,310	3.4
13	1,180	3.0
14	1,124	2.9
15	1,057	2.7
16	1,020	2.6
17	959	2.5
18	877	2.2
19	863	2.2
20-24	3,144	8.1
25-29	1,715	4.4
30-34	939	2.4
35-39	485	1.2
OVER 39	357	0.9
NOT STATED	450	1.2

FIGURE E-4
DIVORCES AND ANNULMENTS, PERCENT BY DURATION OF MARRIAGE
PENNSYLVANIA OCCURRENCES, 1988

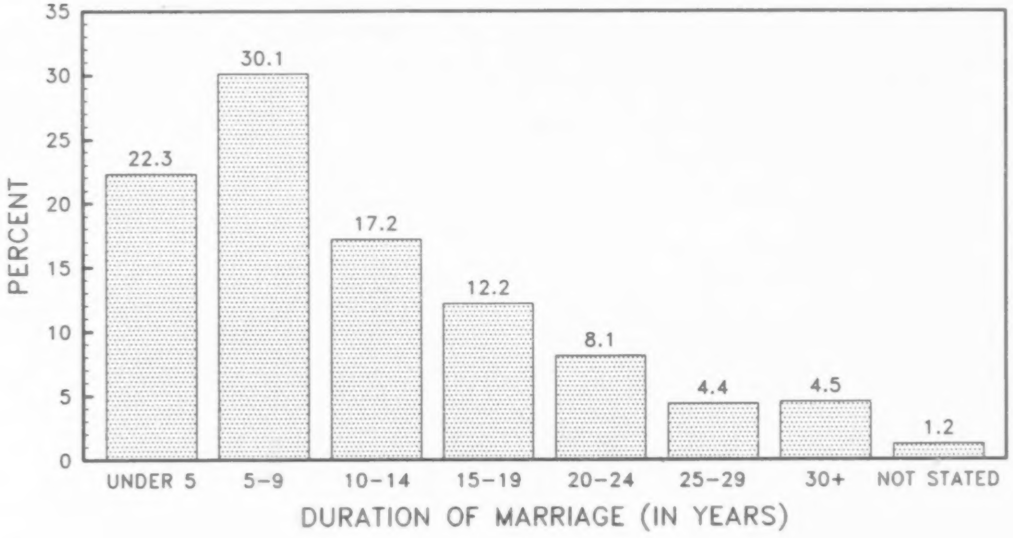


TABLE E-12
MARRIAGES AND DIVORCES BY COUNTY OF OCCURRENCE
NUMBER AND RATE*: PENNSYLVANIA, 1988

	MARRIAGES		DIVORCES	
COUNTY	NUMBER**	RATE	NUMBER***	RATE
ALL COUNTIES	87,963	7.3	39,001	3.2
ADAMS	505	6.8	299	4.0
ALLEGHENY	9,731	7.2	3,840	2.8
ARMSTRONG	602	7.7	205	2.6
BEAVER	1,045	5.5	606	3.2
BEDFORD	371	7.7	156	3.2
BERKS	2,429	7.4	1,069	3.2
BLAIR	985	7.4	501	3.8
BRADFORD	504	7.8	260	4.0
BUCKS	4,270	7.9	1,106	2.0
BUTLER	1,062	6.9	497	3.2
CAMBRIA	1,166	6.9	392	2.3
CAMERON	51	8.0	2,565	400.8
CARBON	407	7.3	170	3.0
CENTRE	915	7.9	362	3.1
CHESTER	2,337	6.4	1,104	3.0
CLARION	376	9.0	92	2.2
CLEARFIELD	603	7.4	295	3.6
CLINTON	269	7.1	143	3.8
COLUMBIA	553	9.1	219	3.6
CRAWFORD	677	7.9	341	4.0
CUMBERLAND	1,519	7.8	720	3.7
DAUPHIN	1,938	8.0	835	3.5
DELAWARE	4,861	8.7	1,395	2.5
ELK	276	7.5	97	2.6
ERIE	2,203	8.0	1,023	3.7
FAYETTE	1,080	7.1	548	3.6
FOREST	54	11.5	7	1.5
FRANKLIN	717	6.0	472	3.9
FULTON	86	6.0	44	3.1
GREENE	274	6.9	161	4.1
HUNTINGDON	341	7.9	122	2.8
INDIANA	627	6.8	219	2.4
JEFFERSON	413	8.7	183	3.8
JUNIATA	147	7.2	55	2.7
LACKAWANNA	1,608	7.2	674	3.0
LANCASTER	3,367	8.1	1,359	3.3
LAWRENCE	991	9.8	316	3.1
LEBANON	908	7.9	429	3.8
LEHIGH	2,141	7.4	959	3.3
LUZERNE	2,247	6.8	881	2.7
LYCOMING	1,047	8.9	503	4.3
MCKEAN	345	7.5	147	3.2
MERCER	1,039	8.5	416	3.4
MIFFLIN	360	7.7	145	3.1
MONROE	830	8.9	278	3.0
MONTGOMERY	5,666	8.2	1,712	2.5
MONTOUR	125	7.6	60	3.6
NORTHAMPTON	1,906	7.8	771	3.2
NORTHUMBERLAND	611	6.2	358	3.6
PERRY	306	7.5	161	3.9
PHILADELPHIA	9,774	5.9	4,751	2.9
PIKE	177	6.6	90	3.4
POTTER	126	7.0	71	3.9
SCHUYLKILL	1,090	7.1	429	2.8
SNYDER	302	8.3	102	2.8
SOMERSET	534	6.6	211	2.6
SULLIVAN	72	11.2	18	2.8
SUSQUEHANNA	341	8.3	134	3.3
TIOGA	306	7.6	160	4.0
UNION	296	8.5	138	4.0
VENANGO	528	8.7	203	3.3
WARREN	385	8.4	60	1.3
WASHINGTON	1,395	6.7	678	3.2
WAYNE	384	9.5	114	2.8
WESTMORELAND	2,628	6.9	1,085	2.9
WYOMING	199	7.0	111	3.9
YORK	2,483	7.4	1,370	4.1

* RATE PER 1,000 ESTIMATED 1988 POPULATION FOR EACH SPECIFIED COUNTY.
** TOTAL MARRIAGES INCLUDE 52 UNKNOWN COUNTY OF OCCURRENCE.
***TOTAL DIVORCES INCLUDE 4 UNKNOWN COUNTY OF OCCURRENCE.

TECHNICAL NOTES

A. SOURCES OF DATA

1. Births, Deaths, and Fetal Deaths:

Birth, death, and fetal death certificates are the source documents for data on vital events to Pennsylvania residents during the 1988 calendar year. A copy of each of these types of certificates is included as Figures I, II and III.

The cut-off date for 1988 data in this report was March 1, 1989. Any data pertaining to a 1988 event for which a certificate was filed after March 1, 1989, are not included in this report. It is possible that data obtained from the State Health Data Center may differ slightly from that which appear in this report. If this should occur, it is due to an update to the 1988 data year which was made after the March 1 deadline for this report.

Births and deaths relating to Pennsylvania residents which occurred in another state are included in this report. The inclusion of these data are made possible by an agreement among all registration areas in the United States for resident exchange of copies of certificates.

Birth and fetal death certificates are usually completed by hospital personnel present at the delivery. Death certificates are usually completed by hospital personnel, physicians, and funeral directors. (See Appendix A for more detailed information on vital events registration in Pennsylvania.)

2. Induced Abortions:

Information contained in this report on induced terminations of pregnancy or abortions were obtained from the source documents, "Induced Abortions:Quarterly Report" and "Report of Induced Termination of Pregnancy," as required to be completed and submitted by all facilities registered to perform such procedures in the Commonwealth according to the Abortion Control Acts of 1974 and 1982, as amended.

Induced abortions relating to Pennsylvania residents which occurred in another state are not included in this report. There is no interstate agreement among all of the registration areas in the United States for resident exchange of such information. Collection of induced abortion data varies widely from state to state. (See Appendix A for more detailed information on vital events registration in Pennsylvania.)

3. Marriages and Divorces:

Each of the 67 counties in Pennsylvania is responsible for collecting, processing, and maintaining marriage and divorce records. Copies of these records are forwarded to the Department of Health only for the purpose of data processing selected items in order to report aggregate statistics as contained in this report. The cut-off date for 1988 data in this report was March 1, 1989. (See Appendix A for more detailed information on vital events registration in Pennsylvania.)

4. Population Estimates:

The estimates of state and county populations used in this report are based on the estimates of the July 1, 1988 population which were produced jointly by the Census Bureau and the State Data Center of the Pennsylvania State University at Harrisburg under the Federal-State Cooperative Program for Local Population Estimates. The estimates will be published by the Bureau of the Census in Current Population Reports, Series P-26. They were generated by a combination of a component procedure which uses administrative records and a regression method. Because the state and county totals were used as controls for age by sex by race detail, they differ from the published numbers by a rounding error.

The estimates of state and county total populations for earlier years have been revised by the Census Bureau from time to time. Those used in the computation of multiple year summary rates are the most recent available at the print date for this publication. However, the tabulation of historical populations printed in this publication preserves the total populations used in earlier publications.

The estimates of population by age, sex and race used in this report are based upon the population counted in the 1980 census, as released on a computer tape having race categories consistent with those mandated by the U.S. Office of Management and Budget. These counts were survived to the July 1, 1988 date, using Pennsylvania resident birth and death records, adjusted for net migration, for group quarters populations, and for agreement with medicare enrollments and controlled to the county total. The 1988 municipal population estimates used in this report were produced by the U.S. Census Bureau.

B. DATA QUALITY

1. Query and Field Programs:

The quality of birth and death data presented in this report is directly related to the completeness and accuracy of the information contained on certificates. The State Health Data Center works to ensure that the information received is as complete and accurate as possible and maintains two major program operations for improving the quality of information received on birth and death certificates - the query and field programs.

The query program is a system used to follow-back with hospital personnel, funeral directors, and/or physicians concerning incomplete or conflicting information. The follow-back contact is usually done by telephone and is based both on a manual and a computer editing procedure.

The field program attempts to improve birth, death, and fetal death certificate information by educating the participants in the vital registration system, i.e., hospital personnel, funeral directors, physicians, etc., of the uses and importance of vital statistics data. The field program completes this mission by conducting seminars with various associations representing the types of individuals listed above.

In addition to regularly scheduled seminars, the field representatives make site visits when problems with registration relating to a particular area or institution are discovered.

The National Center for Health Statistics (NCHS) monitors Pennsylvania's coding of statistical data on birth and death certificates. A 0.4 percent sample of birth records and a 0.5 percent sample of death records coded and submitted monthly by the state are used as a quality control mechanism by NCHS. NCHS codes these sample records independently and then conducts an item-by-item computer match of codes entered by the state and NCHS. NCHS has established a two percent upper limit for coding difference involving any one data item of these sample records, with the exception of cause of death. A five percent limit is established for that item due to the complexity of the coding process.

2. Fetal Deaths/Abortions:

In terms of the completeness of the data collected, the reporting of deaths and live births is considered to be nearly complete (99 percent or greater). However, in Pennsylvania, fetal deaths under sixteen weeks' gestation and out-of-state abortions to Pennsylvania residents are not required to be reported.

According to a recent study* of the estimated number of total pregnancies for the United States, prepared by NCHS, the percentage distribution of live births, fetal deaths, and induced abortions is as indicated in the following chart. The percentage distribution of Pennsylvania's reported pregnancies is also shown.

	U.S. Estimated Total Pregnancies 1983	Pennsylvania Reported Pregnancies 1984-1988
Live Births	60.9%	75.4%
Fetal Deaths	12.7%	1.5%
Induced Abortions	26.4%	23.1%

It is apparent that there is a very large number of fetal deaths (approximately 90%) not reported or included in this publication, mainly due to the exclusion of those under sixteen weeks' gestation. Also, there may be serious underreporting at about sixteen weeks' gestation and a smaller undercount at later gestational ages.

3. Congenital Anomalies/Birth Defects:

When reviewing statistics on congenital anomalies reported at birth in this publication, please note that historical and recent studies have verified the underreporting of congenital anomalies on birth certificates, especially among defects that are not easily diagnosed at the time of birth.

---

*"Estimates of Pregnancies and Pregnancy Rates for the United States, 1976-85"; Ventura, Taffel and Mosher; **American Journal of Public Health**, May 1988, Vol. 78 No. 5, pp. 506-511.

According to recent information collected via the "Metropolitan Atlanta Congenital Anomalies/Defects Program" as operated by the Birth Defects Branch, Chronic Disease Division, Center for Environmental Health, Centers for Disease Control, approximately 3.0 percent of all live births result in the occurrence of a congenital anomaly. In Pennsylvania during 1988, only 0.8 percent of all resident live births had a congenital anomaly or birth defect reported on the certificate of live birth.

C. GEOGRAPHY

1. Allocation:

In Pennsylvania's registration program, vital events are classified geographically in two ways. The first way is by place of occurrence, i.e., the actual state and county in which the birth or death took place. The second and more customary way is by place of residence, i.e., the state, county, and minor civil division stated to be the usual residence of the decedent in the case of death or of the mother in the case of a newborn. Fetal deaths and infant deaths, in cases where the child was never discharged from the hospital, are to be classified to the residence of the mother.

While occurrence figures are accurate and have both administrative value and some statistical significance, residence data are by far more useful in determining health indices for planning and evaluation purposes. The natality and mortality statistics in this report are residence data; however, the induced abortion, marriage, and divorce statistics are occurrence data. Marriage and divorce statistics are reported as occurrence data because two separate residences are usually involved in a marriage and a divorce and there are no accepted, standard procedures for determining residency in such events. Induced abortion statistics for 1975-1988 as presented in this report are occurrence data except for a data table listing induced abortions by county or state of residence. This is due to the fact that the source document ("Induced Abortions: Quarterly Report") used to collect that information from 1975 through September, 1988, requested aggregated quarterly, occurrence data.

Allocation of vital events by place of residence is sometimes difficult, because classification depends entirely on the statement of the usual place of residence furnished by the informant at the time the original certificate is completed. For various reasons, this statement may be incorrect or incomplete. For example, mailing addresses often differ from the actual geographic residence. Where the mailing address is a rural delivery number or when an unincorporated place is given as the place of residence, it may be impossible to allocate the event to a specific township or the correct minor civil division, if this information is not supplied. How often incorrect information on residence is recorded is not known, but it is generally due to lack of information concerning the exact location of residence or misunderstanding of the question on the part of the informant. This problem is applicable generally only to minor civil division level data. Resident counts for the state as a whole are usually very accurate. County resident figures are substantially correct and can be used with a high degree of confidence.

2. Criteria for Municipality Selection:

Tables A-5, B-26, B-27, B-28, B-29, B-30, B-31, C-30, C-31, C-32, C-33 and C-34 show statistics for selected municipalities. These municipalities include cities or boroughs with a 1980 enumerated population of 25,000 or more. Sharon, which had a 1980 population of 19,057, was also included due to its designation in 1980 as an SMSA (Standard Metropolitan Statistical Area). Philadelphia is a city/county and has been included in both county and municipality tables for the user's convenience.

D. DEFINITIONS OF TERMS

1. Natality:

APGAR SCORE - Named after Virginia Apgar, M.D., the Apgar Score is an international code for the clinical evaluation of an infant one minute and five minutes after birth. A score of 0, 1, or 2 is assigned to each of the following objective signs - heart rate, respiratory effort, muscle tone, reflex irritability, and color. Thus, the total Apgar Score ranges from a low of 0 to a high of 10. In general, a score of 8 to 10 is considered satisfactory, 4 to 7 indicates a need for careful observation and possible concern since the infant is moderately depressed, and 0 to 3 serves as an alert for possible emergency procedures and raises some doubts about survival since the infant is severely depressed.

BIRTH WEIGHT - The first weight of the fetus or newborn obtained after birth. This weight should be measured preferably within the first hour of delivery before significant postnatal weight loss has occurred.

LOW BIRTH WEIGHT - A birth weight under 2,500 grams or 5 pounds, 9 ounces.

VERY LOW BIRTH WEIGHT - A birth weight under 1,500 grams or 3 pounds, 5 ounces.

LIVE BIRTH - According to Pennsylvania law, is the expulsion or extraction from its mother of a product of conception, irrespective of the period of gestation, which shows any evidence of life at any moment after such expulsion or extraction.

LIVE BIRTH ORDER - An expression used to indicate the numeric relationship of a child to others live-born to that mother.

2. Mortality:

CAUSE OF DEATH - Deaths by cause, are classified according to the International Classification of Diseases, Ninth Revision, of the World Health Organization.

UNDERLYING CAUSE OF DEATH - The underlying cause of death is either the disease or injury which initiated the train of events leading directly to death or the circumstances of the accident or violence which produced the fatal injury.

FETAL DEATH - Defined by law in Pennsylvania as the expulsion or extraction from its mother of a product of conception after 16 weeks gestation, which shows no evidence of life after such expulsion or extraction.

INFANT DEATH - Death of an infant under 1 year of age.

NEONATAL DEATH - An infant death occurring within the first 27 days of life.

POSTNEONATAL DEATH - An infant death occurring at one month (28 days) to 364 days of age.

MATERNAL DEATH - The death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of the pregnancy, from any cause related to or aggravated by the pregnancy or its management but not from accidental or incidental causes.

MEDIAN AGE - The age that falls exactly in the middle of the entire range of ages ranked in order from low to high such that 50% of the ages fall above it and 50% fall below it. If the number of ages is even, a value halfway between the two ages nearest the middle is used.

3. Induced Abortions:

INDUCED ABORTION - An induced abortion or induced termination of pregnancy is the purposeful interruption of pregnancy with the intention other than to produce a live-born infant or to remove a dead fetus and which does not result in a live birth.

4. Geographic Allocation:

RESIDENT DATA - Data compiled as to the usual residence without regard to the geographical place where the event occurred. For births, fetal deaths, and infant deaths (in cases where the infant was never discharged from the hospital), the mother's usual residence is used as the place of residence.

OCCURRENCE DATA - Data compiled as to the geographical place the event occurred without regard to the actual residence. Induced abortion, marriage, and divorce data are presented as occurrence data in this report.

5. Birth Weight in Grams:

In order to provide data comparable to that published for the United States and other countries, birth weight is reported in grams. However, not all facilities in Pennsylvania record birth weight in grams and, in order to collect complete data, providers are given the opportunity to report either pounds and ounces or grams on the Pennsylvania live birth certificate.

In tabulating and presenting the natality statistics for this report, birth weights reported in pounds and ounces are converted to grams. The equivalents of the gram intervals in pounds and ounces are as follows:

499 grams or less = 1 lb. 1 oz. or less
500 - 999 grams = 1 lb. 2 ozs. - 2 lbs. 3 ozs.
1,000 - 1,499 grams = 2 lbs. 4 ozs. - 3 lbs. 4 ozs.
1,500 - 1,999 grams = 3 lbs. 5 ozs. - 4 lbs. 6 ozs.
2,000 - 2,499 grams = 4 lbs. 7 ozs. - 5 lbs. 8 ozs.
2,500 - 2,999 grams = 5 lbs. 9 ozs. - 6 lbs. 9 ozs.
3,000 - 3,499 grams = 6 lbs. 10 ozs. - 7 lbs. 11 ozs.
3,500 - 3,999 grams = 7 lbs. 12 ozs. - 8 lbs. 12 ozs.
4,000 - 4,499 grams = 8 lbs. 13 ozs. - 9 lbs. 14 ozs.
4,500 - 4,999 grams = 9 lbs. 15 ozs. - 11 lbs. 0 ozs.
5,000 grams or more = 11 lbs. 1 oz. or more

E. RATES

Absolute counts of births and deaths do not readily lend themselves to analysis and comparison between years and between various geographic areas because of population differences. These demographic differences include total number, age and sex distributions, and ethnic or racial differentials. In order to assess the health status of a particular population at a specified time, the absolute number of events is converted to a relative number such as a probability of living or dying, i.e., a rate, a ratio, or an index. This conversion is made by relating the crude number of events to the living population at risk in a particular area at a specific time. All of the rates defined on the following page are computed for a period covering one year except for the five-year summary rates.

1. Definitions of Rates:

CRUDE BIRTH RATE: Number of live births per 1,000 population.

AGE-SPECIFIC BIRTH RATE: Number of live births to mothers in a specified age group per 1,000 females in the same age group.

GENERAL FERTILITY RATE: Number of live births per 1,000 females in the population 15-44 years old.

FETAL DEATH RATE: Fetal deaths of over 16 weeks gestation per 1,000 deliveries. The number of deliveries consists of live births plus fetal deaths.

NEONATAL DEATH RATE: Number of infants dying under 28 days of age per 1,000 live births.

POSTNEONATAL DEATH RATE: Number of infants dying at 28 to 364 days of age per 1,000 live births.

INFANT DEATH RATE: Deaths under one year of age per 1,000 live births.

CRUDE DEATH RATE: Number of deaths per 1,000 population.

AGE-SPECIFIC DEATH RATE: Number of deaths for a specified age group per 1,000 population in the same age group.

RACE-SPECIFIC DEATH RATE: Number of deaths for a specified racial group per 1,000 population in the same racial group.

AGE-ADJUSTED DEATH RATE (Direct Method): Age-specific death rates for a selected population are applied to a standard population in order to calculate what rate **would be expected** if the selected population had the same age distribution as the standard. The total of **expected** deaths divided by the total of the standard population and multiplied by 1,000 (or 100,000 for cause-specific rates) yields the age-adjusted death rate per 1,000 or 100,000. (It is important to use the same standard population in the computation of each age-adjusted rate to achieve comparability. Age-adjusted death rates should never be compared with any other type of death rate or be used as absolute measurements of mortality.)

CAUSE-SPECIFIC DEATH RATE: Number of deaths from a specific cause per 100,000 population.

MATERNAL DEATH RATE: Number of deaths from complications of pregnancy, childbirth, and the puerperium per 10,000 live births.

TOTAL FERTILITY RATE: The sum of the age-specific birth rates of women in five-year age groups multiplied by five. This rate estimates the number of children a cohort of 1,000 women would bear if they all went through their childbearing years exposed to the age-specific birth rates in effect for a particular time. The total fertility rate or TFR can be used as an estimate of the fertility growth factor in a population, e.g. whether the childbearing population is replacing itself or not. A TFR of 2,000 or above indicates that, on the average, couples are producing at least two children to replace themselves. When the TFR exceeds 2,000 for an extended period, the next generation of childbearing age will probably be larger than the present population of that age if all other factors affecting the population, such as death rates and migration, remain constant. Pennsylvania's TFR has been under 2,000 since 1972. However, it has remained relatively stable since then, although still below replacement level. The TFR is not meant to be used as an absolute measure of population trends, but can be helpful in understanding and analyzing them. There are many other factors to consider when determining population trends, such as crude birth rates, death rates, and migration patterns. In fact, it would take several generations of a childbearing population maintaining a replacement level to just stabilize a specific population, again given that other factors, mainly age-specific death rates, also were maintained.

FIVE-YEAR SUMMARY RATE: The total number of vital events (births, deaths, etc.) that took place during the five years specified per 1,000 total population for the same five-year period. (See Section A.4 for further discussion of the population estimates used to compute the summary rates that appear in this report.)

2. Reliability of Rates:

Precautions should always be taken when comparing any rates based on vital events and population, especially crude rates. Both the size of the numbers and the characteristics of the population are important indicators of a rate's real value.

All statistics are subject to chance variation. Rates based on an unusually small or large number of events over a specified period of time or for a sparsely populated geographic area should be of particular concern and caution.

For example, there were only four infant deaths reported in 1988 for residents of Fulton County, one of the least populated counties in the state. However, those four infant deaths were enough to give Fulton County an infant death rate of 23.4 per 1,000 resident live births in 1988 and the distinction of having, by far, the highest infant death rate that year in the state among all counties. This is the chance result of four deaths having enormous significance when statistically applied to the small amount of births to the few residents of that county. Any statement regarding the unusually high 1988 infant death rate in Fulton County could be quite misleading. When small events or populations are evident in calculating/reviewing rates, multiple year rates (usually 5 or 10 year summary rates) will sometimes provide a much better perspective or measurement of an outcome. For instance, if you calculate a five-year (1984-88) summary infant death rate for Fulton County, you will get a rate of 7.6 per 1,000 resident live births, a considerably lower and more accurate measurement of the infant mortality experience in Forest County. Expanding the period of time studied enlarges the absolute numbers and adds more credence to a statement regarding Fulton County's infant death rate.

A multiple year rate may also help substantiate what you at first considered an artifically high or low incidence for one year. Consider the 1988 divorce rate of 1.3 per 1,000 population in Warren County, the lowest rate in the state. The state rate was 3.2. A summary five-year (1984-88) divorce rate for Warren County was also low at 1.9. In 1988, another rural county, Cameron, had an incredible divorce rate of 400.8. A five-year (1984-88) divorce rate for Cameron gives you the even higher figure of 527.5. What do these widely varied rates mean? Are residents of Cameron County almost 400 times more likely to get a divorce than residents of Warren County? No, of course not; the problem here is that divorce (and marriage) statistics are occurrence data, i.e., the rates are computed by dividing the number of divorces (or marriages) occurring in the county by the population residing in the county. Before one could reach any conclusions, you would have to investigate local factors that could influence the number of marriages and divorces occurring in a county.

There are many characteristics of a population that can also render a crude rate of little use. Any unique demographic factors such as those related to age, sex and race are not accounted for in crude rates. One prime Pennsylvania example is Centre County. Because Penn State's major campus with over 35,000 students is located in this rural county, the median age is usually the lowest in the state; so is the crude death rate. However, rates can be adjusted or calculated to more specific groups within a population. When all county rates are adjusted for age, Centre County usually appears closer to the middle of these rates. Age, sex or race adjusted and specific rates can offer a more refined measurement to compare vital event experiences over geographic areas or time periods. However, again there are limitations to their use and one should be very familiar with these rates before attempting their use.

F. SELECTED CAUSES OF DEATH

In Tables C-8, C-9, C-10A thru C-10E, C-11A thru C-11E, C-12, C-26, C-29 and C-34, various causes of deaths are indicated. These selected causes of death and the corresponding ICD-9 cause of death codes are listed in the following table. The more specific causes for heart disease and malignant neoplasms that appear in Tables C-29 and C-34 are defined by ICD-9 codes in footnotes following Tables C-16B and C-17C.

Please note that "Chronic Obstructive Pulmonary Disease" appears as a relatively new category. Medical certifiers have been using the term more often on certificates since the 1970's. The National Center for Health Statistics and many states have incorporated this category into their mortality reports for several years now. Therefore, for comparability reasons alone, it is important to include this category among leading causes of death. The category includes bronchitis, emphysema, asthma and allied conditions. Please note, however, that due to International Classification of Disease revisions used for coding causes of death, data on this new category are not comparably available prior to 1979, when the last revision occurred. Also, the category, "Cerebrovascular Disease", was named "Vascular Lesions Affecting Central Nervous System" prior to 1968.

Also note that HIV (Human Immunodeficiency Virus) Infection is a relatively new category, appearing for the first time in 1987. Prior to 1987, there were no ICD-9 cause of death codes specifically assigned to this disease.

CAUSE OF DEATH	ICD-9 CODE(S):
Heart Disease	390-398,402 404-429
Malignant Neoplasms	140-208
Cerebrovascular Disease	430-438
Unintentional Injuries	E800-E807, E810-E949
Motor Vehicle	E810-E825
Non-Motor Vehicle	E800-E807, E826-E949
Chronic Obstructive Pulmonary Disease	490-496
Pneumonia and Influenza	480-487
Diabetes Mellitus	250
Septicemia	038
Nephritis, Nephrosis	580-589
Suicide	E950-E959
Liver Disease and Cirrhosis	571
Atherosclerosis	440
Aortic Aneurysm	441
Perinatal Conditions	760-779
Homicide and Legal Intervention	E960-E978
Congenital Anomalies	740-759
Pneumoconiosis	500-505
HIV Infection	042-044
Hypertension	401, 403
Benign and Unspecified Neoplasm	210-239
Parkinson's Disease	332
Hernia and Intestinal Obstruction	550-553,560
Ulcers of Stomach and Duodenum	531-533
Anemias	280-285
Nutritional Deficiencies	260-269
Gall Bladder Disorders	574-575
Alcoholism	303
Disease of Pancreas	577
Multiple Sclerosis	340
Epilepsy	345
Venous Embolism and Thrombosis	451-453
Tuberculosis	010-018
Meningitis	320-322
Infections of Kidney	590

G. MULTIPLE CAUSES OF DEATH

Traditionally, aggregate mortality statistics have been based on a tabulation of deaths, with one underlying cause assigned for each death. However, the medical certifier is required to report on a death certificate the immediate cause of death, the antecedent conditions which gave rise to the immediate cause, the underlying cause, and any other significant conditions contributing to death that are not related to any previously stated causes on the certificate (see Figure II). In the last few years, an ever increasing demand for more comprehensive mortality data coupled with advances in computer technology resulted in the development of the Automated Classification of Medical Entities (ACME) system by the National Center for Health Statistics.

The principal objective of this system is to provide full medical information from death certificates by assigning the traditional underlying cause as well as tabulating multiple causes from all medical conditions listed on the certificates by the certifier, through automated application of the internationally recognized classification of diseases. The result is multiple cause data made available on computer tape by means of a system of computer programs furnished by the National Center for Health Statistics. Pennsylvania has such a system and the State Health Data Center has begun accessing these files and producing some very interesting and, potentially, more valuable nosologic information.

The multiple causes of death information are coded on computer tapes in two formats, record axis and entity axis. Entity codes identify the conditions causing or contributing to death, together with their position as they were entered in the cause of death section of the death certificate. Record axis codes, on the other hand, reflect the application of a uniform set of rules to the entity codes, to eliminate redundancies and internal inconsistencies, and to substitute the preferred codes for a given combination of conditions. Use of the entity codes is necessary to study the temporal and causal relationships among the conditions associated with a given set of deaths. Use of the record axis codes, however, is necessary if the conditions associated with death are to be aggregated and tabulated on a uniform basis. Please contact the State Health Data Center if you are interested in more information about multiple causes of death statistics.

APPENDIX A

VITAL RECORDS REGISTRATION IN PENNSYLVANIA

Record	Persons Responsible For Completing Records	Persons Responsible For Filing Record With Local Registrar	Persons Responsible For Transmitting Records to State
Certificate of Live Birth	Attending physician or licensed midwife (or designated person for unattended births)	Attending physician or licensed midwife (or designated person for unattended births)	Local Registrar
Certificate of Fetal Death	Funeral Director or other person in charge of interment, informant, and physician or coroner (for medical certification)	Funeral Director or other person in charge of interment	Local Registrar
Certificate of Death	Funeral Director or other person in charge of interment, informant, and physician or coroner (for medical certification)	Funeral Director or other person in charge of interment	Local Registrar
Marriage Record	Clerk of Orphans' Court of any county (transcription of marriage license application)	Not Applicable	Clerk of Orphans' Court
Record of Divorce or Annulment	Prothonotary or Clerk of Orphans' Court	Not Applicable	Prothonotary or Clerk of Orphans' Court
Report of Induced Termination of Pregnancy	Facility registered with Department of Health to perform induced abortions	Not Applicable	Facility registered with Department of Health to perform induced abortions

Source: For complete information, see Vital Statistics Law of 1953, Act of the General Assembly No. 66, Commonwealth of Pennsylvania, June 29, 1953, and Abortion Control Act of 1982, as amended by Act 31 of 1988, No. 138.

APPENDIX B

ADDITIONAL STATISTICS AVAILABLE

The vital statistics data presented in this report are only a part of the information collected via the birth, death, and fetal death certificates (see Figures I, II, and III) and marriage and divorce records.

The State Health Data Center maintains current and historical, annual and multiple year tabulations (in most cases, back to 1960) in different formats and using other variables from the vital records not contained in this report. Copies of these tabulations can be obtained by contacting the Center. However, many of these cross-tabulations are quite lengthy and there may be a charge involved, especially if several years of information are requested. The Center can also produce, for a fee, special computer-generated output to the user's specifications.

The following is a list of the cross-tabulations readily available by type of record. Unless otherwise specified below, annual tabulations are available in the same format for every year back to 1960. Multiple year summary tabulations are available for the years 1979 through 1988.

ANNUAL TABULATIONS

Live Births:

First Name Occurrence by Sex (1977-1988)
Resident Births by Single Age of Mother by Minor Civil Division (1984-1988)
Resident Births by Single Age of Mother by County (1974-1988)
Resident Births by Age of Mother by Race and Sex of Child by County and Minor Civil Division
Resident Births by Age of Mother and Birth Weight by County (1984-1988)
Resident Births by Age of Mother and Trimester of Entry Into Prenatal Care by County (1979-1988)
Resident Births by Age of Mother and Medical Conditions at Birth by County
Resident Births by Age of Mother and Birth Order of Children by County
Resident Births by Month by County and Minor Civil Division
Resident Births by Sex and Race of Child by County and Minor Civil Division
Resident Births by Birth Weight by Race and Sex of Child by County
Resident Births by Marital Status and Age of Mother by County and Minor Civil Division
Resident Births by Method of Delivery by County
Resident Births by Plurality by County
Resident Births by Number of Previous Pregnancies by County (1985-1988)

Deaths:

Resident Deaths by Age, Sex and Race by County and Minor Civil Division
Resident Deaths by Month by County and Minor Civil Division
Resident Deaths by 4-digit ICD Cause of Death Code, Age, Sex and Race by County
Selected Major Causes of Death by Age, Sex and Race by County
Selected Major Causes of Death by Age by Minor Civil Division
Resident Cancer Deaths by Type and Sex by County (1984-1988)
Resident Cancer Deaths by Type by County and Minor Civil Division (1984-1988)
Resident Suicide Deaths by Age, Sex and Race by County (1980-1988)
Resident Deaths by Autopsy Status by County
Resident Deaths by Method of Disposition by County and Minor Civil Division
Resident Infant Deaths by Age, Sex and Race by County and Minor Civil Division
Resident Infant Deaths by Month by County and Minor Civil Division
Resident Infant Deaths by 4-digit Cause of Death Code by Age, Sex and Race by County
Resident Neonatal Deaths by Month by County and Minor Civil Division

APPENDIX B (Continued)

ANNUAL TABULATIONS

Fetal Deaths:

Resident Fetal Deaths by Type and Month by County and Minor Civil Division
Resident Fetal Deaths by Type and Age of Woman by County and Minor Civil Division

Marriages* (1974-1988):

Month of Marriage by County of Marriage
Marriages by the Age of Groom and Bride
Previous Marital Status by Race of Bride and Type of Ceremony
Previous Marital Status by Race of Groom and Type of Ceremony
Prior Marriages by Race and Age of the Bride
Prior Marriages by Race and Age of the Groom
Prior Marriages by State of Residence of the Bride
Prior Marriages by State of Residence of the Groom
Prior Marriages by Age of the Bride
Prior Marriages by Age of the Groom
Previous Marital Status by Race and Age of the Bride
Previous Marital Status by Race and Age of the Groom

Divorces* (1974-1988):

Divorces by Month by County of Occurrence
Divorces by Plaintiff and Party Granted Decree
Divorces by County of Occurrence
Divorces by Duration and Grounds
Divorces by Age of Husband and Number of Times Married
Divorces by Age of Wife and Number of Times Married
Divorces by Wife's Duration of First or Remarriage
Divorces by Husband's Duration of First or Remarriage
Divorces by State Where Marriage Was Performed
Number of Children and Custody by County of Divorce
Divorces by Legal Grounds

*All marriage and divorce data are by occurrence. Divorce data include both divorces and annulments.

MULTIPLE YEAR TABULATIONS (1979-1988)

Live Births:

Resident Births by Age of Mother by Sex and Race by County
Resident Births by Sex, Race and Congenital Anomaly
Resident Births by Congenital Anomaly by Year
Resident Births by Sex and Race by Year by County
Resident Births by Sex and Race by County and Minor Civil Division
Resident Births by Age of Mother by Year by County
Resident Births by Congenital Anomaly by Year by County
Resident Births by Birth Weight, Sex and Race by County
Resident Births by Congenital Anomaly, Sex and Race by County
Resident Births by Birth Weight and Age of Mother by County
Resident Births by Age of Mother and Trimester of Entry Into Prenatal Care by County

Deaths:

Resident Deaths by Selected Major Causes by Age and Year
Resident Deaths by Age, Sex and Race by County and Minor Civil Division
Resident Deaths by Selected Causes by Age, Sex and Race by County
Resident Deaths by Age by Year by County
Resident Deaths by Selected Causes and Age by Year by County
Resident Deaths by Age, Sex and Race by Year
Resident Infant Deaths by Age by Year by County
Resident Infant Deaths by Age, Sex and Race by County and Minor Civil Division

Fetal Deaths:

Resident Fetal Deaths by Type and Age of Woman by County and Minor Civil Division
Resident Fetal Deaths by Type and Month by County
Resident Fetal Deaths by Type and Age of Woman by Year by County
Resident Fetal Deaths by Type and Month by Year by County

NOTE: Minor Civil Division is city, borough or township. Data tables that list minor civil divisions are available only back to 1961, unless otherwise specified.

APPENDIX C

ERRATA: Revised Age-Adjusted Rates

The age-adjusted death rates that appeared in the 1985, 1986 and 1987 editions of "Pennsylvania Vital Statistics" were incorrect. The correct age-adjusted rates by sex and race for the state for the years 1950-1987 appear in Tables C-5 and C-6 of this 1988 report and should be used in place of those previously published. The age-adjusted rates by sex and county that appeared in the 1985, 1986 and 1987 reports were also incorrect. Correct age-adjusted death rates by sex and county for 1985, 1986 and 1987 (including the five-year summary rates published those years) appear on the following pages and should be used in place of those previously published. We regret any inconvenience this may have caused.

AGE-ADJUSTED DEATH RATES* BY SEX AND COUNTY
PENNSYLVANIA RESIDENTS, 1987 AND FIVE YEAR SUMMARY, 1983-1987

	1987			1983-1987		
COUNTY	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL COUNTIES	5.6	7.2	4.2	5.6	7.2	4.2
ADAMS	5.5	7.0	4.2	5.3	7.0	4.0
ALLEGHENY	5.5	7.3	4.2	5.7	7.5	4.3
ARMSTRONG	5.1	6.4	4.0	5.3	6.9	4.0
BEAVER	5.2	6.6	4.1	5.4	7.0	4.1
BEDFORD	5.3	6.8	4.1	5.4	7.1	4.1
BERKS	5.1	6.7	3.8	5.0	6.6	3.8
BLAIR	5.9	7.7	4.5	5.9	7.9	4.4
BRADFORD	5.0	6.6	3.6	5.1	6.8	3.7
BUCKS	5.3	6.6	4.3	5.3	6.6	4.1
BUTLER	5.6	7.2	4.4	5.5	7.1	4.1
CAMBRIA	5.5	7.4	4.2	5.6	7.6	4.1
CAMERON	5.1	6.4	4.4	6.0	7.8	4.5
CARBON	5.9	7.8	4.4	5.8	7.7	4.1
CENTRE	5.2	6.6	4.1	5.1	6.5	3.9
CHESTER	5.2	6.7	3.9	5.1	6.6	3.9
CLARION	6.3	8.6	4.5	5.6	7.7	4.0
CLEARFIELD	5.7	7.4	4.4	5.5	7.3	4.1
CLINTON	5.3	6.9	3.9	5.5	7.3	3.9
COLUMBIA	4.9	6.0	4.0	5.2	6.7	4.1
CRAWFORD	5.3	7.0	3.8	5.3	6.8	4.1
CUMBERLAND	4.8	6.4	3.7	4.8	6.3	3.7
DAUPHIN	5.5	7.1	4.3	5.5	7.3	4.2
DELAWARE	5.3	6.9	4.1	5.5	7.1	4.2
ELK	5.2	6.9	3.9	5.0	6.5	3.9
ERIE	5.5	7.2	4.2	5.6	7.3	4.3
FAYETTE	5.7	7.5	4.3	5.8	7.7	4.4
FOREST	6.7	7.8	5.5	6.3	8.2	4.5
FRANKLIN	4.7	6.1	3.6	5.0	6.5	3.8
FULTON	6.3	8.2	4.7	5.0	6.4	3.8
GREENE	5.5	7.5	3.9	5.8	7.6	4.3
HUNTINGDON	6.1	8.8	3.9	5.6	7.8	3.7
INDIANA	5.3	7.0	3.9	5.3	6.7	4.0
JEFFERSON	5.2	6.9	3.9	5.3	6.9	4.0
JUNIATA	5.7	6.6	4.9	5.5	6.8	4.3
LACKAWANNA	5.5	7.5	3.9	5.6	7.7	4.1
LANCASTER	4.8	6.1	3.7	4.7	6.1	3.6
LAWRENCE	5.1	6.7	3.9	5.2	6.7	4.0
LEBANON	5.4	7.2	4.0	5.3	7.1	4.0
LEHIGH	5.0	6.8	3.6	5.1	6.7	3.8
LUZERNE	5.9	8.1	4.4	5.8	8.0	4.3
LYCOMING	5.2	6.7	4.1	5.2	6.9	3.9
MCKEAN	5.1	6.5	4.1	5.4	6.9	4.1
MERCER	5.2	6.9	4.0	5.1	6.6	4.0
MIFFLIN	5.5	7.2	4.2	5.3	7.3	3.8
MONROE	5.1	7.1	3.3	5.0	6.6	3.6
MONTGOMERY	4.6	5.9	3.6	4.7	6.1	3.6
MONTOUR	5.4	6.5	4.4	5.8	7.1	4.8
NORTHAMPTON	5.1	6.6	3.9	5.0	6.6	3.7
NORTHUMBERLAND	5.7	7.6	4.4	5.8	7.9	4.2
PERRY	5.7	7.2	4.4	5.6	7.1	4.3
PHILADELPHIA	7.2	9.8	5.4	7.1	9.6	5.3
PIKE	5.1	6.8	3.5	4.9	6.2	3.7
POTTER	5.2	6.6	4.1	5.0	6.5	3.7
SCHUYLKILL	6.1	8.4	4.4	6.1	8.4	4.4
SNYDER	5.6	7.2	4.2	5.4	7.0	4.0
SOMERSET	5.4	7.3	3.9	5.3	7.1	3.9
SULLIVAN	5.4	6.7	4.3	5.8	7.9	4.0
SUSQUEHANNA	5.7	7.6	4.1	5.3	7.0	3.8
TIOGA	4.7	6.6	3.1	5.2	6.8	3.8
UNION	4.8	6.1	3.8	5.2	6.8	3.9
VENANGO	5.2	6.4	4.2	5.6	7.3	4.3
WARREN	4.9	6.1	3.9	5.4	6.7	4.3
WASHINGTON	5.4	7.1	4.1	5.5	7.2	4.1
WAYNE	5.1	6.9	3.5	5.2	6.9	3.8
WESTMORELAND	5.2	7.0	3.8	5.4	7.1	4.0
WYOMING	5.1	6.7	3.7	5.1	6.8	3.7
YORK	5.0	6.3	3.9	4.9	6.4	3.7

---

*AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES PER 1,000 POPULATION.

**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

AGE-ADJUSTED DEATH RATES* BY SEX AND COUNTY
PENNSYLVANIA RESIDENTS, 1986 AND FIVE YEAR SUMMARY, 1982-1986

	1986			1982 - 1986		
COUNTY	TOTAL	MALE**	FEMALE	TOTAL	MALE**	FEMALE
ALL COUNTIES	5.5	7.2	4.2	5.6	7.4	4.2
ADAMS	5.1	6.6	3.8	5.2	6.9	3.8
ALLEGHENY	5.6	7.2	4.3	5.7	7.5	4.3
ARMSTRONG	5.4	7.2	4.0	5.4	7.0	4.0
BEAVER	5.2	6.4	4.2	5.5	7.1	4.1
BEDFORD	5.4	7.4	3.7	5.5	7.2	4.1
BERKS	5.2	6.9	3.8	5.0	6.6	3.8
BLAIR	5.9	8.0	4.4	5.9	7.9	4.4
BRADFORD	4.9	6.6	3.5	5.2	6.8	3.8
BUCKS	5.3	6.7	4.1	5.3	6.7	4.1
BUTLER	5.4	6.9	4.1	5.4	7.0	4.1
CAMBRIA	5.5	7.2	4.2	5.6	7.7	4.0
CAMERON	4.9	5.8	4.1	6.1	8.2	4.3
CARBON	5.9	7.8	4.2	5.9	7.9	4.2
CENTRE	5.3	7.0	3.9	5.0	6.4	3.9
CHESTER	5.0	6.2	4.0	5.1	6.6	3.9
CLARION	5.2	7.2	3.5	5.6	7.4	4.1
CLEARFIELD	5.4	7.2	4.0	5.5	7.3	4.0
CLINTON	5.2	6.6	4.0	5.5	7.3	4.0
COLUMBIA	5.2	6.8	4.0	5.4	7.0	4.2
CRAWFORD	5.3	6.9	4.0	5.3	6.7	4.1
CUMBERLAND	4.7	6.0	3.7	4.8	6.3	3.7
DAUPHIN	5.7	7.7	4.2	5.6	7.5	4.2
DELAWARE	5.2	6.8	4.1	5.5	7.2	4.3
ELK	5.0	6.3	4.1	5.0	6.4	4.0
ERIE	5.5	7.1	4.2	5.7	7.4	4.4
FAYETTE	5.6	7.3	4.4	5.9	7.8	4.4
FOREST	6.3	7.5	5.0	6.1	8.1	4.2
FRANKLIN	5.0	6.5	3.7	5.0	6.5	3.8
FULTON	4.2	6.0	2.8	4.8	6.1	3.7
GREENE	5.8	7.2	4.7	5.8	7.6	4.3
HUNTINGDON	5.9	8.0	4.2	5.5	7.6	3.9
INDIANA	5.4	6.6	4.4	5.3	6.7	4.1
JEFFERSON	5.4	6.8	4.4	5.4	7.0	4.1
JUNIATA	5.0	6.3	4.1	5.3	6.8	4.1
LACKAWANNA	5.6	7.5	4.2	5.7	7.8	4.2
LANCASTER	4.7	6.0	3.7	4.7	6.1	3.7
LAWRENCE	5.2	6.8	4.0	5.2	6.7	4.0
LEBANON	5.9	8.0	4.1	5.3	7.0	3.9
LEHIGH	5.1	6.6	3.9	5.1	6.7	3.8
LUZERNE	5.7	7.7	4.2	5.8	8.0	4.3
LYCOMING	5.1	6.9	3.7	5.2	7.0	3.8
MCKEAN	5.5	7.2	4.2	5.6	7.2	4.2
MERCER	5.0	6.2	4.2	5.1	6.6	4.0
MIFFLIN	5.4	7.6	3.7	5.3	7.4	3.7
MONROE	5.0	6.4	3.7	5.1	6.5	3.8
MONTGOMERY	4.6	6.0	3.5	4.8	6.2	3.6
MONTOUR	5.8	7.6	4.4	5.8	7.3	4.8
NORTHAMPTON	5.1	6.5	3.9	5.0	6.7	3.7
NORTHUMBERLAND	5.5	7.6	4.0	5.8	7.8	4.2
PERRY	5.8	7.3	4.5	5.6	7.2	4.2
PHILADELPHIA	7.1	9.6	5.2	7.1	9.6	5.3
PIKE	4.5	5.9	3.3	4.9	6.3	3.7
POTTER	4.4	5.5	3.5	4.9	6.7	3.4
SCHUYLKILL	6.1	8.3	4.5	6.1	8.4	4.4
SNYDER	5.8	7.9	4.0	5.5	7.2	4.0
SOMERSET	5.3	7.4	3.7	5.3	7.0	3.8
SULLIVAN	6.7	8.6	5.1	5.9	7.9	4.2
SUSQUEHANNA	5.0	6.8	3.4	5.1	6.8	3.7
TIOGA	5.5	7.3	3.8	5.4	6.9	4.0
UNION	4.9	6.6	3.6	5.2	6.8	3.8
VENANGO	5.7	8.2	3.6	5.8	7.6	4.5
WARREN	5.5	6.9	4.4	5.6	6.9	4.4
WASHINGTON	5.3	6.9	4.0	5.5	7.3	4.1
WAYNE	5.2	6.7	4.0	5.4	7.1	3.9
WESTMORELAND	5.4	7.2	4.0	5.4	7.1	4.1
WYOMING	5.3	6.2	4.5	5.0	6.7	3.7
YORK	4.9	6.2	3.8	4.9	6.4	3.7

*AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES PER 1,000 POPULATION.

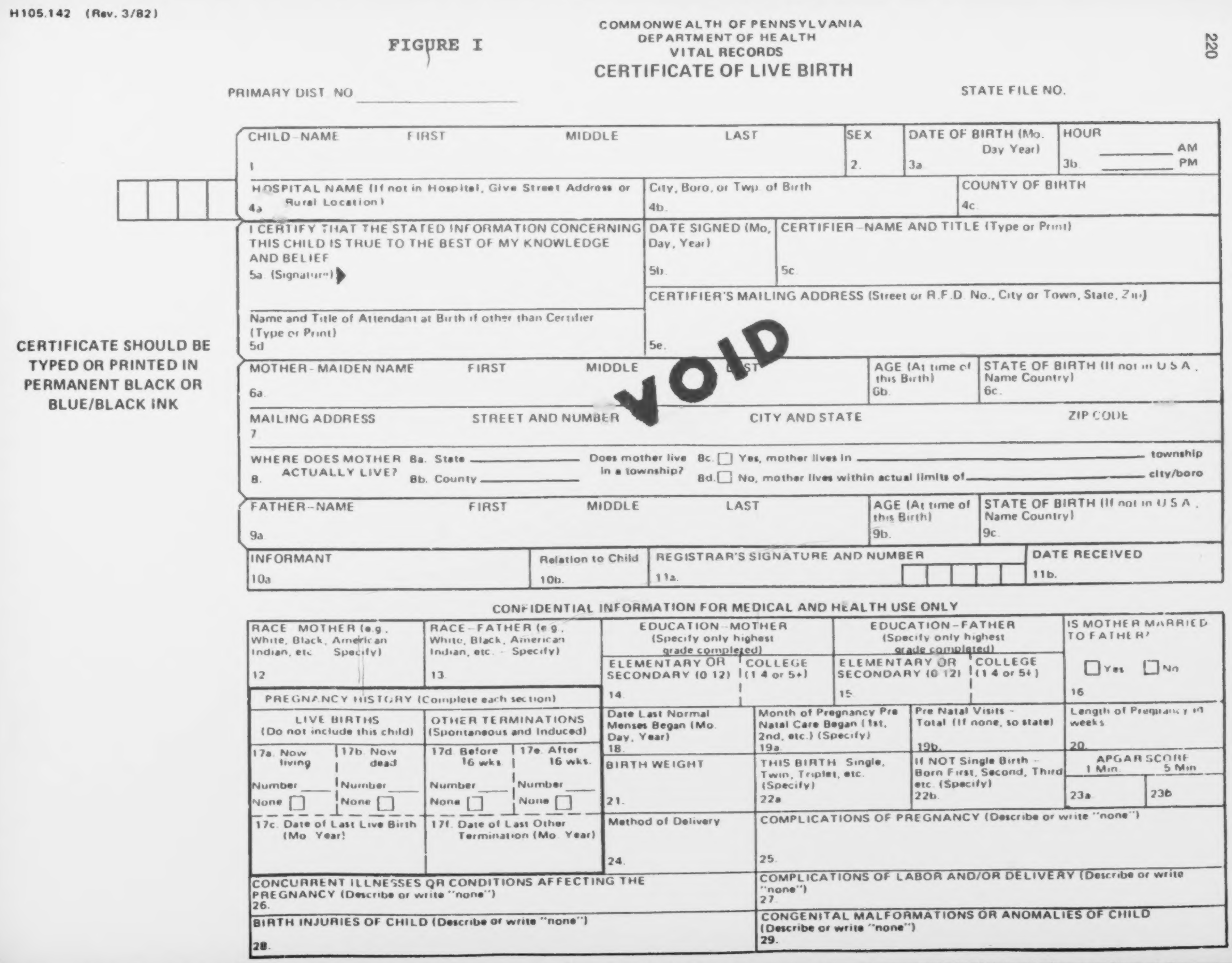
**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.

AGE-ADJUSTED DEATH RATES* BY SEX AND COUNTY
PENNSYLVANIA RESIDENTS, 1985

COUNTY	TOTAL	MALE**	FEMALE
ALL COUNTIES	5.6	7.4	4.2
ADAMS	5.4	7.3	3.9
ALLEGHENY	5.6	7.4	4.2
ARMSTRONG	5.4	6.7	4.2
BEAVER	5.3	6.9	4.0
BEDFORD	5.6	7.3	4.1
BERKS	5.1	6.6	3.8
BLAIR	5.7	7.4	4.3
BRADFORD	5.0	6.3	3.9
BUCKS	5.3	6.8	4.1
BUTLER	5.4	7.2	4.0
CAMBRIA	5.6	7.7	4.1
CAMERON	5.7	6.9	4.6
CARBON	6.0	8.2	4.2
CENTRE	4.9	6.5	3.6
CHESTER	5.1	6.7	3.7
CLARION	5.5	7.2	4.2
CLEARFIELD	5.2	6.7	4.0
CLINTON	5.9	7.9	4.2
COLUMBIA	5.7	7.8	4.1
CRAWFORD	5.5	6.7	4.4
CUMBERLAND	4.6	6.2	3.4
DAUPHIN	5.6	7.5	4.2
DELAWARE	5.6	7.2	4.4
ELK	4.6	6.2	3.4
ERIE	5.7	7.4	4.4
FAYETTE	5.9	7.8	4.3
FOREST	6.6	9.0	4.4
FRANKLIN	4.9	6.4	3.8
FULTON	4.5	5.4	3.6
GREENE	6.3	8.0	4.9
HUNTINGDON	4.9	7.1	3.2
INDIANA	5.3	6.5	4.3
JEFFERSON	5.0	6.5	3.8
JUNIATA	5.9	8.4	3.6
LACKAWANNA	5.6	7.8	4.0
LANCASTER	4.6	6.0	3.6
LAWRENCE	5.1	6.9	3.8
LEBANON	5.1	6.7	3.8
LEHIGH	5.0	6.7	3.8
LUZERNE	5.7	8.0	4.1
LYCOMING	5.1	6.5	3.9
MCKEAN	5.5	7.6	3.9
MERCER	4.9	6.4	3.8
MIFFLIN	5.5	7.3	4.1
MONROE	5.0	6.3	3.9
MONTGOMERY	4.8	6.1	3.7
MONTOUR	6.1	7.1	5.4
NORTHAMPTON	5.0	6.7	3.5
NORTHUMBERLAND	5.6	7.3	4.4
PERRY	5.7	6.9	4.6
PHILADELPHIA	7.2	9.7	5.4
PIKE	4.8	5.7	4.1
POTTER	4.8	5.6	4.1
SCHUYLKILL	6.1	8.3	4.4
SNYDER	5.4	6.9	4.2
SOMERSET	5.2	6.7	4.0
SULLIVAN	5.3	7.7	3.4
SUSQUEHANNA	5.4	7.0	4.0
TIOGA	5.3	6.8	4.2
UNION	5.2	7.5	3.5
VENANGO	5.7	7.1	4.6
WARREN	5.4	6.1	4.7
WASHINGTON	5.6	7.5	4.1
WAYNE	5.4	7.1	4.0
WESTMORELAND	5.4	7.0	4.1
WYOMING	4.8	6.3	3.6
YORK	5.0	6.5	3.9

*AGE-ADJUSTED RATES ARE COMPUTED BY THE DIRECT METHOD USING 1940 U.S. POPULATION AS THE STANDARD. RATES PER 1,000 POPULATION.

**UNKNOWN SEX INCLUDED IN THE MALE CATEGORY.



H105.142 (Rev. 3/82)

FIGURE I

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
VITAL RECORDS

CERTIFICATE OF LIVE BIRTH

PRIMARY DIST NO ______ STATE FILE NO.

CERTIFICATE SHOULD BE TYPED OR PRINTED IN PERMANENT BLACK OR BLUE/BLACK INK

VOID

CHILD–NAME FIRST MIDDLE LAST 1
SEX 2.
DATE OF BIRTH (Mo. Day Year) 3a
HOUR 3b ______ AM ______ PM

HOSPITAL NAME (If not in Hospital, Give Street Address or Rural Location) 4a
City, Boro, or Twp. of Birth 4b
COUNTY OF BIRTH 4c

I CERTIFY THAT THE STATED INFORMATION CONCERNING THIS CHILD IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF
5a (Signature) ▶
DATE SIGNED (Mo, Day, Year) 5b
CERTIFIER–NAME AND TITLE (Type or Print) 5c
Name and Title of Attendant at Birth if other than Certifier (Type or Print) 5d
CERTIFIER'S MAILING ADDRESS (Street or R.F.D. No., City or Town, State, Zip) 5e

MOTHER–MAIDEN NAME FIRST MIDDLE LAST 6a
AGE (At time of this Birth) 6b
STATE OF BIRTH (If not in U.S.A., Name Country) 6c

MAILING ADDRESS 7 STREET AND NUMBER CITY AND STATE ZIP CODE

WHERE DOES MOTHER ACTUALLY LIVE? 8. 8a. State ______ 8b. County ______
Does mother live in a township? 8c. ☐ Yes, mother lives in ______ township
8d. ☐ No, mother lives within actual limits of ______ city/boro

FATHER–NAME FIRST MIDDLE LAST 9a
AGE (At time of this Birth) 9b
STATE OF BIRTH (If not in U.S.A., Name Country) 9c

INFORMANT 10a
Relation to Child 10b.
REGISTRAR'S SIGNATURE AND NUMBER 11a.
DATE RECEIVED 11b.

CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

RACE–MOTHER (e.g. White, Black, American Indian, etc. – Specify) 12
RACE–FATHER (e.g. White, Black, American Indian, etc. – Specify) 13.
EDUCATION–MOTHER (Specify only highest grade completed) ELEMENTARY OR SECONDARY (0 12) 14. COLLEGE (1 4 or 5+)
EDUCATION–FATHER (Specify only highest grade completed) ELEMENTARY OR SECONDARY (0 12) 15. COLLEGE (1 4 or 5+)
IS MOTHER MARRIED TO FATHER? ☐ Yes ☐ No 16

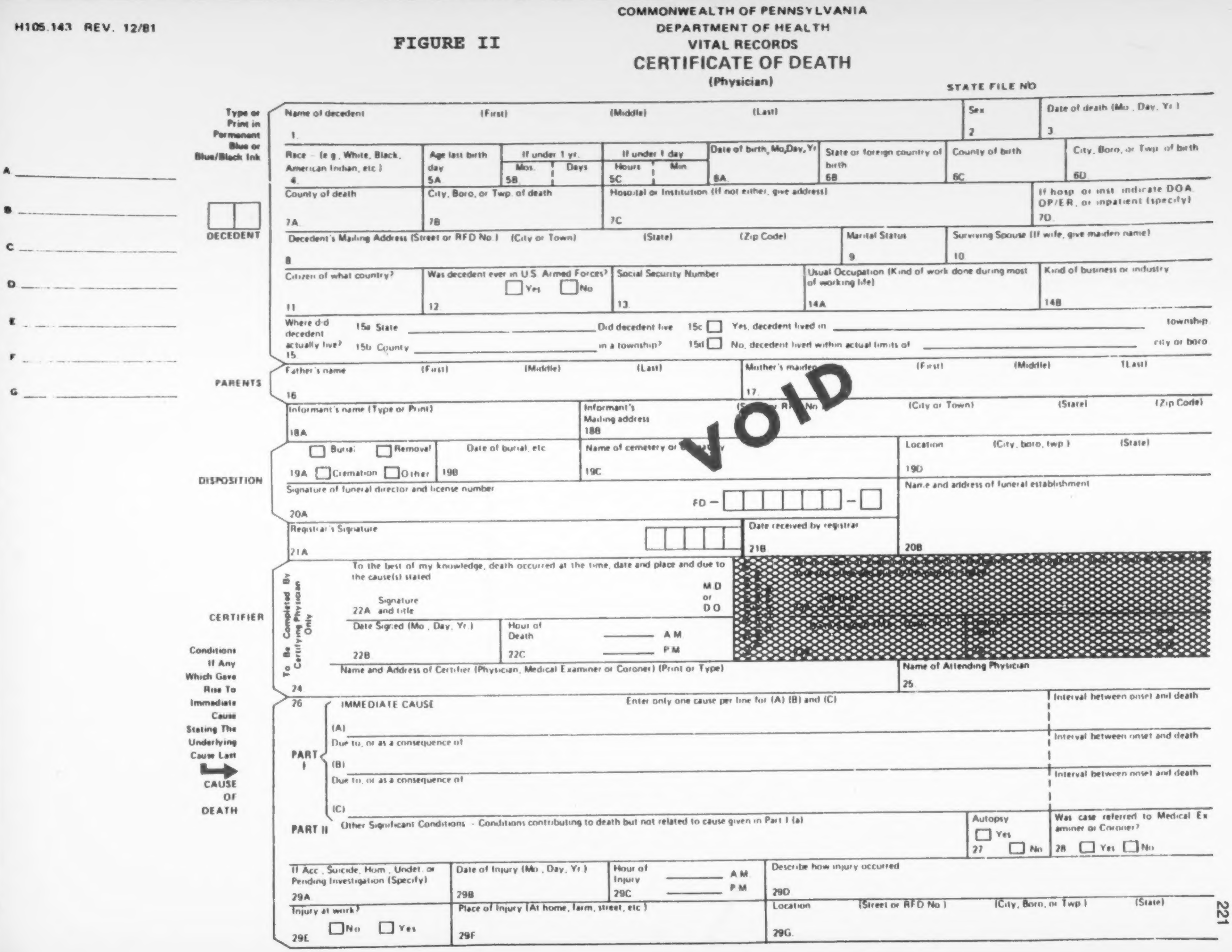
PREGNANCY HISTORY (Complete each section)

LIVE BIRTHS (Do not include this child)
17a. Now living Number ____ None ☐
17b. Now dead Number ____ None ☐
17c. Date of Last Live Birth (Mo. Year)

OTHER TERMINATIONS (Spontaneous and Induced)
17d. Before 16 wks. Number ____ None ☐
17e. After 16 wks. Number ____ None ☐
17f. Date of Last Other Termination (Mo. Year)

Date Last Normal Menses Began (Mo. Day, Year) 18.
Month of Pregnancy Pre Natal Care Began (1st, 2nd, etc.) (Specify) 19a
Pre Natal Visits – Total (If none, so state) 19b.
Length of Pregnancy in weeks 20.
BIRTH WEIGHT 21.
THIS BIRTH Single, Twin, Triplet, etc. (Specify) 22a
If NOT Single Birth – Born First, Second, Third etc. (Specify) 22b.
APGAR SCORE 1 Min. 23a 5 Min. 23b
Method of Delivery 24.
COMPLICATIONS OF PREGNANCY (Describe or write "none") 25.
CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none") 26.
COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or write "none") 27.
BIRTH INJURIES OF CHILD (Describe or write "none") 28.
CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (Describe or write "none") 29.

FIGURE II



H105.143 REV. 12/81

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
VITAL RECORDS
CERTIFICATE OF DEATH
(Physician)

STATE FILE NO

Type or Print in Permanent Blue or Blue/Black Ink

A ____________
B ____________
C ____________
D ____________
E ____________
F ____________
G ____________

☐☐ **DECEDENT**

Name of decedent (First) (Middle) (Last) 1.								Sex 2	Date of death (Mo., Day, Yr.) 3
Race – (e.g., White, Black, American Indian, etc.) 4.	Age last birth day 5A	If under 1 yr. Mos. 5B	Days	If under 1 day Hours 5C	Min	Date of birth, Mo,Day,Yr 6A.	State or foreign country of birth 6B	County of birth 6C	City, Boro, or Twp of birth 6D
County of death 7A.	City, Boro, or Twp. of death 7B			Hospital or Institution (If not either, give address) 7C					If hosp or inst indicate DOA OP/ER, or inpatient (specify) 7D.
Decedent's Mailing Address (Street or RFD No.) (City or Town) (State) (Zip Code) 8							Marital Status 9	Surviving Spouse (If wife, give maiden name) 10	
Citizen of what country? 11	Was decedent ever in U.S. Armed Forces? ☐ Yes ☐ No 12			Social Security Number 13.			Usual Occupation (Kind of work done during most of working life) 14A		Kind of business or industry 14B

Where did decedent actually live? 15 15a State ____________ Did decedent live in a township? 15c ☐ Yes, decedent lived in ____________ township
15b County ____________ 15d ☐ No, decedent lived within actual limits of ____________ city or boro

PARENTS

Father's name (First) (Middle) (Last) 16	Mother's maiden (First) (Middle) (Last) 17.

Informant's name (Type or Print) 18A	Informant's Mailing address (Street or RFD No.) (City or Town) (State) (Zip Code) 18B

VOID

DISPOSITION

19A ☐ Burial ☐ Removal ☐ Cremation ☐ Other	Date of burial, etc 19B	Name of cemetery or crematory 19C	Location (City, boro, twp.) (State) 19D
Signature of funeral director and license number FD – ☐☐☐☐☐☐ – ☐ 20A			Name and address of funeral establishment 20B
Registrar's Signature ☐☐☐☐☐ 21A		Date received by registrar 21B	

CERTIFIER

To Be Completed By Certifying Physician Only

To the best of my knowledge, death occurred at the time, date and place and due to the cause(s) stated

22A Signature and title ____________ M.D or D.O

Date Signed (Mo., Day, Yr.) 22B	Hour of Death ______ A.M ______ P.M 22C	[illegible]

Name and Address of Certifier (Physician, Medical Examiner or Coroner) (Print or Type) 24	Name of Attending Physician 25

Conditions If Any Which Gave Rise To Immediate Cause Stating The Underlying Cause Last

CAUSE OF DEATH

26 PART I IMMEDIATE CAUSE — Enter only one cause per line for (A) (B) and (C) — Interval between onset and death
(A) ____________ Interval between onset and death
Due to, or as a consequence of
(B) ____________ Interval between onset and death
Due to, or as a consequence of
(C) ____________

PART II Other Significant Conditions – Conditions contributing to death but not related to cause given in Part I (a)

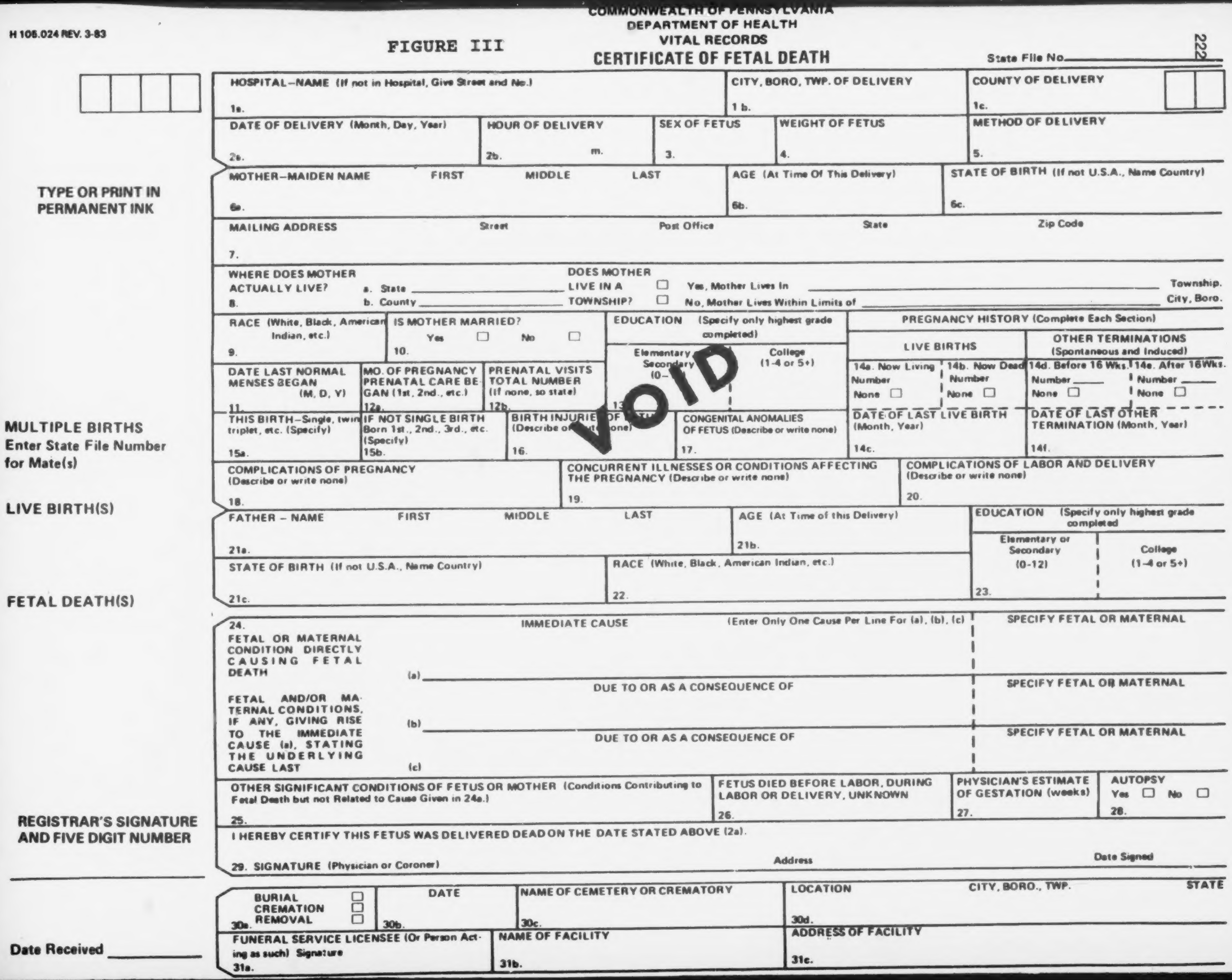
Autopsy 27 ☐ Yes ☐ No

Was case referred to Medical Examiner or Coroner? 28 ☐ Yes ☐ No

If Acc., Suicide, Hom., Undet. or Pending Investigation (Specify) 29A	Date of Injury (Mo., Day, Yr.) 29B	Hour of Injury ______ A.M. ______ P.M 29C	Describe how injury occurred 29D
Injury at work? ☐ No ☐ Yes 29E	Place of Injury (At home, farm, street, etc.) 29F		Location (Street or RFD No.) (City, Boro, or Twp.) (State) 29G.

H 105.024 REV. 3-83

FIGURE III



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
VITAL RECORDS

CERTIFICATE OF FETAL DEATH

State File No. __________

TYPE OR PRINT IN PERMANENT INK

1a. HOSPITAL—NAME (If not in Hospital, Give Street and No.)
1b. CITY, BORO, TWP. OF DELIVERY
1c. COUNTY OF DELIVERY
2a. DATE OF DELIVERY (Month, Day, Year)
2b. HOUR OF DELIVERY m.
3. SEX OF FETUS
4. WEIGHT OF FETUS
5. METHOD OF DELIVERY
6a. MOTHER—MAIDEN NAME FIRST MIDDLE LAST
6b. AGE (At Time Of This Delivery)
6c. STATE OF BIRTH (If not U.S.A., Name Country)
7. MAILING ADDRESS Street Post Office State Zip Code
8. WHERE DOES MOTHER ACTUALLY LIVE? a. State ______ b. County ______
DOES MOTHER LIVE IN A TOWNSHIP? ☐ Yes, Mother Lives In ______ Township. ☐ No, Mother Lives Within Limits of ______ City, Boro.
9. RACE (White, Black, American Indian, etc.)
10. IS MOTHER MARRIED? Yes ☐ No ☐
13. EDUCATION (Specify only highest grade completed) Elementary Secondary (0– College (1-4 or 5+)
PREGNANCY HISTORY (Complete Each Section)
LIVE BIRTHS
14a. Now Living Number None ☐
14b. Now Dead Number None ☐
OTHER TERMINATIONS (Spontaneous and Induced)
14d. Before 16 Wks. Number ____ None ☐
14e. After 16Wks. Number ____ None ☐
11. DATE LAST NORMAL MENSES BEGAN (M, D, Y)
12a. MO. OF PREGNANCY PRENATAL CARE BEGAN (1st, 2nd., etc.)
12b. PRENATAL VISITS TOTAL NUMBER (If none, so state)
14c. DATE OF LAST LIVE BIRTH (Month, Year)
14f. DATE OF LAST OTHER TERMINATION (Month, Year)

MULTIPLE BIRTHS Enter State File Number for Mate(s)

15a. THIS BIRTH—Single, twin triplet, etc. (Specify)
15b. IF NOT SINGLE BIRTH Born 1st., 2nd., 3rd., etc. (Specify)
16. BIRTH INJURIES OF FETUS (Describe or write none)
17. CONGENITAL ANOMALIES OF FETUS (Describe or write none)

VOID

18. COMPLICATIONS OF PREGNANCY (Describe or write none)
19. CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write none)
20. COMPLICATIONS OF LABOR AND DELIVERY (Describe or write none)

LIVE BIRTH(S)

21a. FATHER — NAME FIRST MIDDLE LAST
21b. AGE (At Time of this Delivery)
23. EDUCATION (Specify only highest grade completed) Elementary or Secondary (0-12) College (1-4 or 5+)
21c. STATE OF BIRTH (If not U.S.A., Name Country)
22. RACE (White, Black, American Indian, etc.)

FETAL DEATH(S)

24. IMMEDIATE CAUSE (Enter Only One Cause Per Line For (a), (b), (c)
FETAL OR MATERNAL CONDITION DIRECTLY CAUSING FETAL DEATH (a) ______ SPECIFY FETAL OR MATERNAL
DUE TO OR AS A CONSEQUENCE OF
FETAL AND/OR MATERNAL CONDITIONS, IF ANY, GIVING RISE TO THE IMMEDIATE CAUSE (a), STATING THE UNDERLYING CAUSE LAST (b) ______ SPECIFY FETAL OR MATERNAL
DUE TO OR AS A CONSEQUENCE OF
(c) SPECIFY FETAL OR MATERNAL
25. OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER (Conditions Contributing to Fetal Death but not Related to Cause Given in 24a.)
26. FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY, UNKNOWN
27. PHYSICIAN'S ESTIMATE OF GESTATION (weeks)
28. AUTOPSY Yes ☐ No ☐

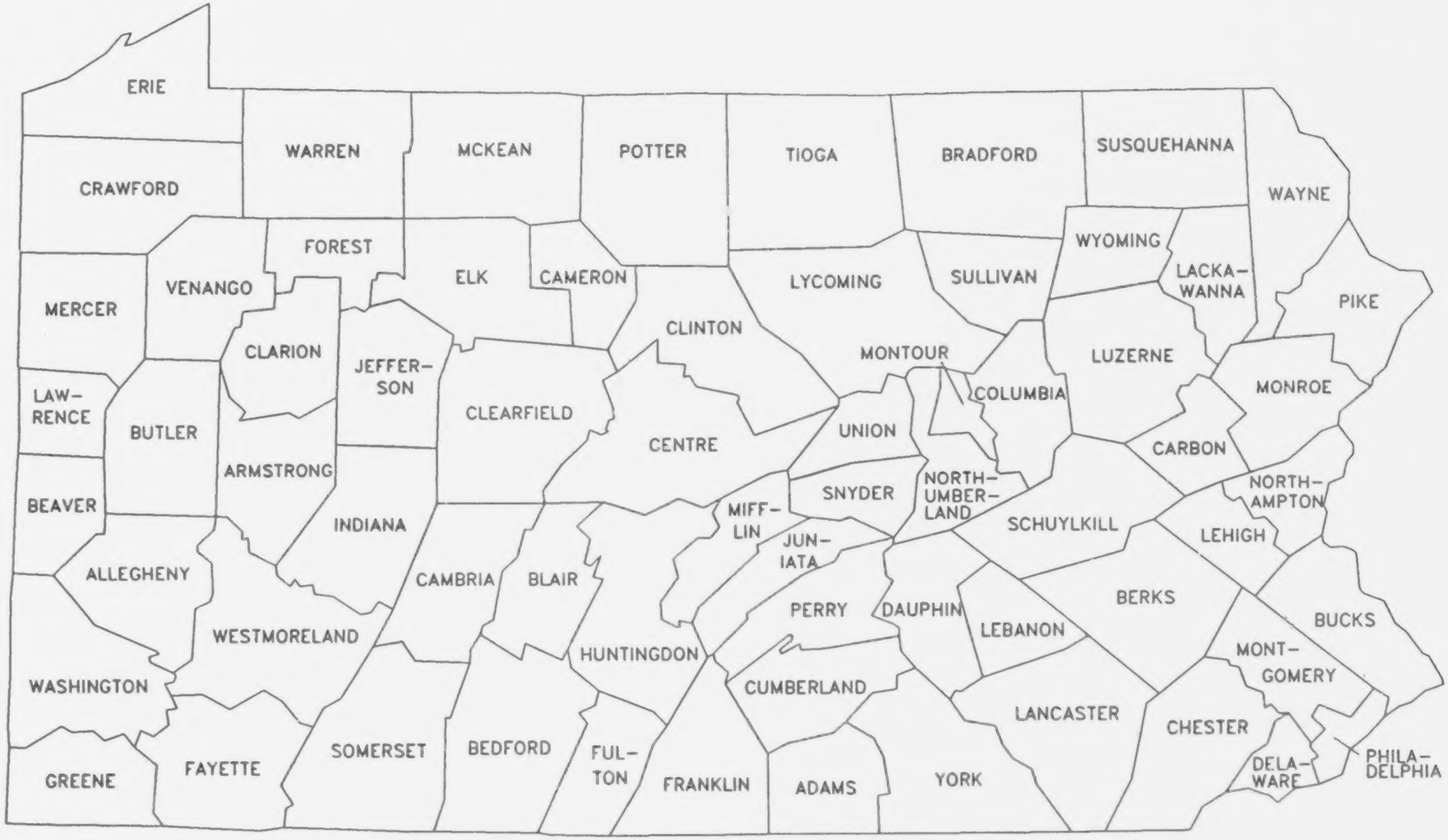
REGISTRAR'S SIGNATURE AND FIVE DIGIT NUMBER

I HEREBY CERTIFY THIS FETUS WAS DELIVERED DEAD ON THE DATE STATED ABOVE (2a).
29. SIGNATURE (Physician or Coroner) Address Date Signed
30a. BURIAL ☐ CREMATION ☐ REMOVAL ☐
30b. DATE
30c. NAME OF CEMETERY OR CREMATORY
30d. LOCATION CITY, BORO., TWP. STATE
31a. FUNERAL SERVICE LICENSEE (Or Person Acting as such) Signature
31b. NAME OF FACILITY
31c. ADDRESS OF FACILITY

Date Received ______

FIGURE IV

PENNSYLVANIA COUNTY OUTLINE MAP


ERIE
WARREN
MCKEAN
POTTER
TIOGA
BRADFORD
SUSQUEHANNA
CRAWFORD
WAYNE
FOREST
WYOMING
VENANGO
ELK
CAMERON
LYCOMING
SULLIVAN
LACKA-WANNA
PIKE
MERCER
CLINTON
CLARION
MONTOUR
LUZERNE
JEFFER-SON
COLUMBIA
MONROE
LAW-RENCE
CLEARFIELD
BUTLER
UNION
CENTRE
CARBON
ARMSTRONG
NORTH-UMBER-LAND
SNYDER
NORTH-AMPTON
BEAVER
INDIANA
MIFF-LIN
SCHUYLKILL
LEHIGH
JUN-IATA
ALLEGHENY
CAMBRIA
BLAIR
BERKS
PERRY
DAUPHIN
BUCKS
LEBANON
WESTMORELAND
MONT-GOMERY
HUNTINGDON
WASHINGTON
CUMBERLAND
LANCASTER
CHESTER
SOMERSET
BEDFORD
FUL-TON
DELA-WARE
PHILA-DELPHIA
GREENE
FAYETTE
FRANKLIN
ADAMS
YORK

NOTES

NOTES

NOTES

NOTES

NOTES

VIRTUE
LIBERTY
AND
INDEPENDENCE

COMMONWEALTH OF PENNSYLVANIA
Department of Health
State Health Data Center

Robert P. Casey
Governor

N. Mark Richards, M.D.
Secretary of Health

BEST COPY AVAILABLE